



Indiana Discharge Monitoring Report Form 30530  
**MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS**

Revision Pending Approval - September 2003

FACILITY NAME AND ADDRESS:

U.S. Steel Corporation  
One North Broadway  
Mail Sta. 70  
Gary, IN 46402

PLEASE COMPLETE AND SUBMIT ONE COPY EACH MONTH.  
THIS REPORT MUST BE POSTMARKED NO LATER THAN THE  
28TH OF THE FOLLOWING MONTH.

Mail To: Indiana Dept. of Environmental Management  
Office of Water Quality / Data Management Section  
P.O. Box 6015  
Indianapolis, Indiana 46206-6015

I N 0 0 0 0 2 8 1  
PERMIT NUMBER

2 0 5  
OUTFALL NO.

0 4 1 7  
MO. YR.

EFFLUENT CHARACTERISTICS		Temperature	
EFFLUENT PARAMETER NUMBER		C00011	*****
SAMPLE TYPE	Permit Condition	Continuous	*****
	Monitored	Continuous	*****
FREQUENCY	Permit Condition	1X hour	*****
	Monitored	1X hour	*****
EFFLUENT LIMITATIONS	Permit Minimum	*****	*****
	Permit Average	NA	*****
	Permit Maximum	73	*****
UNITS =		°F	
	1	49	
	2	49	
	3	48	
	4	48	
	5	48	
	6	48	
	7	49	
	8	51	
	9	51	
	10	52	
	11	50	
	12	51	
	13	52	
	14	53	
	15	55	
	16	55	
	17	55	
	18	55	
	19	55	
	20	57	
	21	55	
	22	58	
	23	58	
	24	59	
	25	59	
	26	60	
	27	57	
	28	54	
	29	54	
	30	54	
MONTHLY AVERAGE			
HIGHEST VALUE		60	
LOWEST VALUE			
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Mark Henry  
(SIGNATURE OF CERTIFIED OPERATOR)  
Mark Henry  
219.763.5869  
PHONE NUMBER

5/21/2017  
DATE

WW020376  
CERTIFICATION NO.

Joseph E. Hanning  
(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)  
Joseph E. Hanning, Manager Environmental Control

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EFFLUENT CHARACTERISTICS		Temperature	
EFFLUENT PARAMETER NUMBER		C00011	*****
SAMPLE TYPE	Permit Condition	Continuous	*****
	Monitored	Continuous	*****
FREQUENCY	Permit Condition	1X hour	*****
	Monitored	1X hour	*****
EFFLUENT LIMITATIONS	Permit Minimum	*****	*****
	Permit Average	NA	*****
	Permit Maximum	73	*****
UNITS =		°F	
	1	57	
	2	57	
	3	57	
	4	59	
	5	57	
	6	58	
	7	59	
	8	59	
	9	60	
	10	61	
	11	60	
	12	60	
	13	61	
	14	61	
	15	61	
	16	61	
	17	62	
	18	63	
	19	63	
	20	63	
	21	65	
	22	67	
	23	67	
	24	66	
	25	67	
	26	66	
	27	64	
	28	64	
	29	66	
	30	65	
MONTHLY AVERAGE			
HIGHEST VALUE		67	
LOWEST VALUE			
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	

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EFFLUENT CHARACTERISTICS		Temperature	
EFFLUENT PARAMETER NUMBER		C00011	*****
SAMPLE TYPE	Permit Condition	Continuous	*****
	Monitored	Continuous	*****
FREQUENCY	Permit Condition	1X hour	*****
	Monitored	1X hour	*****
EFFLUENT LIMITATIONS	Permit Minimum	*****	*****
	Permit Average	NA	*****
	Permit Maximum	73	*****
UNITS =		°F	
	1	58	
	2	57	
	3	57	
	4	58	
	5	57	
	6	57	
	7	59	
	8	60	
	9	62	
	10	62	
	11	62	
	12	61	
	13	61	
	14	62	
	15	63	
	16	64	
	17	64	
	18	64	
	19	64	
	20	66	
	21	64	
	22	66	
	23	67	
	24	68	
	25	68	
	26	68	
	27	66	
	28	65	
	29	65	
	30	64	
MONTHLY AVERAGE			
HIGHEST VALUE		68	
LOWEST VALUE			
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	

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EFFLUENT CHARACTERISTICS		FLOW	pH	Oil & Grease		Selenium, Total		Benzene	
EFFLUENT PARAMETER NUMBER		Q50050	C00400		C00552	Q00981	C00981	Q34030	C34030
SAMPLE TYPE	Permit Condition	RCOTOT	Grab		Grab-3	Comp	Comp	Grab-3	Grab-3
	Monitored	RCOTOT	Grab		Grab-3	Comp	Comp	Grab-3	Grab-3
FREQUENCY	Permit Condition	Daily	3/7		2/7	1/7	1/7	3 /30	3 /30
	Monitored	Daily	3/7		2/7	1/7	1/7	3 /30	3 /30
EFFLUENT LIMITATIONS	Permit Minimum	*****	6.0		*****	*****	*****	*****	*****
	Permit Average	Report	*****		Report	2.1	4.1	Report	Report
	Permit Maximum	Report	9.0		Report	4.1	8.2	Report	Report
UNITS =		MGD	S.U.		MG/L	LB/DAY	UG/L	LB/DAY	UG/L
	1	11.1							
	2	11.1							
	3	11.1	7.6		< 1.3	< 0.08	< 0.91	1.79	19
	4	11.1							
	5	11.1	7.9		< 1.3				
	6	11.1							
	7	11.1	6.9						
	8	11.1							
	9	11.1							
	10	11.1	7.6		< 1.3	< 0.08	< 0.91	2.10	23
	11	11.1							
	12	11.1	7.5		1.6				
	13	11.1							
	14	11.1	7.1						
	15	11.1							
	16	11.1							
	17	11.1	7		< 1.4	< 0.08	< 0.91	1.54	17
	18	11.1							
	19	11.1	7.2		< 1.3				
	20	11.1							
	21	11.1	7.1						
	22	11.1							
	23	11.1							
	24	11.1	7.7		< 1.3	0.09	0.97		
	25	11.1							
	26	11.1	7.7		< 1.3				
	27	11.1							
	28	11.1	6.6						
	29	11.1							
	30	11.1							
MONTHLY AVERAGE		11.1			< 1.3	< 0.09	< 0.93	1.81	20
HIGHEST VALUE		11.1	7.9		1.6	0.09	0.97	2.10	23
LOWEST VALUE		11.1	6.6		< 1.3	< 0.08	< 0.91	1.54	17
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0		0	0	0	0	0
TOTAL FLOW		333.000		Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.					

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EFFLUENT CHARACTERISTICS		Benzo-a-pyrene		Nitrogen, Ammonia Total		Cyanide, Free		Mercury, Total	
EFFLUENT PARAMETER NUMBER		Q34247	C34247	Q00610	C00610	Q00718	C00718	Q71901	C71901
SAMPLE TYPE	Permit Condition	Comp	Comp	Comp	Comp	Grab-3	Grab-3	Grab	Grab
	Monitored	Comp	Comp	Comp	Comp	Comp	Comp	Grab	Grab
FREQUENCY	Permit Condition	2/7	2/7	2/7	2/7	2/7	2/7	Bi-monthly	Bi-monthly
	Monitored	2/7	2/7	2/7	2/7	2/7	2/7	1/30	1/30
EFFLUENT LIMITATIONS	Permit Minimum	*****	*****	*****	*****	*****	*****	*****	*****
	Permit Average	0.047	0.093	Report	Report	3.8	7.6	*****	2.4
	Permit Maximum	0.12	0.23	Report	Report	9.1	18	*****	*****
UNITS		LB/DAY	UG/L	LB/DAY	UG/L	LB/DAY	UG/L	LB/DAY	NG/L
1									
2									
3		< 0.002	< 0.026	12.5	135	< 0.093	< 1.0		
4								0.00009	1.0
5		< 0.002	< 0.023	13.0	140	0.130	1.4		
6									
7									
8									
9									
10		< 0.002	< 0.026	16.0	173	0.093	1.0		
11									
12		< 0.002	< 0.023	10.2	110	< 0.093	< 1.0		
13									
14									
15									
16									
17		< 0.002	< 0.023	12.0	130	0.241	2.6		
18									
19		< 0.002	< 0.026	12.5	135	< 0.093	< 1.0		
20									
21									
22									
23									
24		< 0.002	< 0.023	10.6	114	0.111	1.2		
25									
26		< 0.002	< 0.023	9.8	106	< 0.093	< 1.0		
27									
28									
29									
30									
MONTHLY AVERAGE		< 0.002	< 0.024	12.1	130	< 0.118	< 1.3	0.00009	1.0
HIGHEST VALUE		< 0.002	< 0.026	16.0	173	0.241	2.6	0.00009	1.0
LOWEST VALUE		< 0.002	< 0.023	9.8	106	< 0.093	< 1.0	0.00009	1.0
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0	0	0	0	0	0	0

Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

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EFFLUENT CHARACTERISTICS		Chlorine, Total Residual		Fluoride		Chloride		Sulfate	
EFFLUENT PARAMETER NUMBER		Q50060	C50060	Q00951	C00951	Q00940	C00940	Q00945	C00945
SAMPLE TYPE	Permit Condition	Grab	Grab	Comp	Comp	Comp	Comp	Comp	Comp
	Monitored	Grab	Grab	Comp	Comp	Comp	Comp	Comp	Comp
FREQUENCY	Permit Condition	Daily	Daily	2 /30	2 /30	2 /30	2 /30	2 /30	2 /30
	Monitored	Daily	Daily	2 /30	2 /30	2 /30	2 /30	2 /30	2 /30
EFFLUENT LIMITATIONS	Permit Minimum	*****	*****	*****	*****	*****	*****	*****	*****
	Permit Average	4.0	8	Report	Report	Report	Report	Report	Report
	Permit Maximum	30.2	60	Report	Report	Report	Report	Report	Report
UNITS		LB/DAY	UG/L	LB/DAY	UG/L	LB/DAY	MG/L	LB/DAY	MG/L
	1	< 1.85	< 20						
	2	< 1.85	< 20						
	3	< 1.85	< 20	15.7	170	1945.2	21	2871.5	31
	4	< 1.85	< 20						
	5	< 1.85	< 20						
	6	< 1.85	< 20						
	7	< 1.85	< 20						
	8	< 1.85	< 20						
	9	< 1.85	< 20						
	10	< 1.85	< 20	18.5	200	1945.2	21	2871.5	31
	11	< 1.85	< 20						
	12	< 1.85	< 20						
	13	< 1.85	< 20						
	14	< 1.85	< 20						
	15	< 1.85	< 20						
	16	< 1.85	< 20						
	17	< 1.85	< 20						
	18	< 1.85	< 20						
	19	< 1.85	< 20						
	20	< 1.85	< 20						
	21	< 1.85	< 20						
	22	< 1.85	< 20						
	23	< 1.85	< 20						
	24	< 1.85	< 20						
	25	< 1.85	< 20						
	26	< 1.85	< 20						
	27	< 1.85	< 20						
	28	< 1.85	< 20						
	29	< 1.85	< 20						
	30	< 1.85	< 20						
MONTHLY AVERAGE		0.00	0.0	17.1	185	1945.2	21	2871.5	31
HIGHEST VALUE		< 1.85	< 20	18.5	200	1945.2	21	2871.5	31
LOWEST VALUE		< 1.85	< 20	15.7	170	1945.2	21	2871.5	31
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0	0	0	0	0	0	0

Highlighted Monthly Averages are LOQ based calculations.

Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

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EFFLUENT CHARACTERISTICS		Temperature, Final					
EFFLUENT PARAMETER NUMBER		*****	C00011				
SAMPLE TYPE	Permit Condition	*****	Grab-6				
	Monitored	*****	Continuous				
FREQUENCY	Permit Condition	*****	2/7				
	Monitored	*****	Daily				
EFFLUENT LIMITATIONS	Permit Minimum	*****	*****				
	Permit Average	*****	*****				
	Permit Maximum	*****	Report				
UNITS			°F				
	1						
	2						
	3		48.0				
	4						
	5		49.0				
	6						
	7						
	8						
	9						
	10		50.0				
	11						
	12		51.0				
	13						
	14						
	15						
	16						
	17		54.0				
	18						
	19		55.0				
	20						
	21						
	22						
	23						
	24		56.0				
	25						
	26		53.0				
	27						
	28						
	29						
	30						
MONTHLY AVERAGE			52.0				
HIGHEST VALUE			56.0				
LOWEST VALUE			48.0				
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED			0				

Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

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I certify under penalty of law that, to the best of my knowledge and belief, and having consulted with the manager of coke plant operations and coke plant personnel responsible for managing and disposing of cokemaking and by-product recovery wastewater, that process wastewaters generated from cokemaking and by-product recovery operations have not been discharged to the Grand Calumet River or to Lake Michigan through any outfall or conveyance since the last discharge monitoring report, except for the treated coke plant by-product recovery wastewater in Internal Outfall 501.





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I	N	0	0	0	0	2	8	1
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PERMIT NUMBER

0	1	5
---	---	---

OUTFALL NO.

0	4	1	7
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MO. YR.

EFFLUENT CHARACTERISTICS		FLOW	pH	TSS		Oil & Grease		Nitrogen, Ammonia Total	
EFFLUENT PARAMETER NUMBER		Q50050	C00400	Q00530	C00530	*****	C00552	Q00610	C00610
SAMPLE TYPE	Permit Condition	RCOTOT	Grab	Comp	Comp	*****	Grab	Comp	Comp
	Monitored	RCOTOT	Grab	Comp	Comp	*****	Grab	Comp	Comp
FREQUENCY	Permit Condition	Daily	1/7	1/7	1/7	*****	1/7	1/7	1/7
	Monitored	Daily	1/7	1/7	1/7	*****	1/7	1/7	1/7
EFFLUENT LIMITATIONS	Permit Minimum	*****	6.0	*****	*****	*****	*****	*****	*****
	Permit Average	Report	*****	Report	Report	*****	Report	Report	Report
	Permit Maximum	Report	9.0	Report	Report	*****	Report	Report	Report
UNITS =		MGD	S.U.	LB/DAY	MG/L		MG/L	LB/DAY	MG/L
	1	1.74							
	2	1.72							
	3	1.75	7.2	37.9	2.6		< 1.3	12.43	0.85
	4	1.71							
	5	1.77							
	6	1.76							
	7	1.70							
	8	1.71							
	9	1.72							
	10	1.84	6.8	76.7	5.0		2.2	14.88	0.97
	11	1.71							
	12	1.71							
	13	1.71							
	14	1.72							
	15	1.71							
	16	1.69							
	17	1.69	7.8	29.6	2.1		< 1.3	9.30	0.66
	18	1.70							
	19	1.72							
	20	1.68							
	21	1.68							
	22	1.74							
	23	1.74							
	24	1.74	7.0	37.8	2.6		< 1.3	17.43	1.2
	25	1.73							
	26	1.74							
	27	1.75							
	28	1.69							
	29	1.76							
	30	1.80							
MONTHLY AVERAGE		1.73		45.5	3.1		< 1.5	13.51	0.92
HIGHEST VALUE		1.84	7.8	76.7	5.0		2.2	17.43	1.2
LOWEST VALUE		1.68	6.8	29.6	2.1		< 1.3	9.30	0.66
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0	0	0	0	0	0	0
TOTAL FLOW		51.83							

Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Mark Henry  
(SIGNATURE OF CERTIFIED OPERATOR)

Mark Henry  
219.763.5869  
PHONE NUMBER

Joseph E. Hanning  
(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)  
Joseph E. Hanning, Manager Environmental Control

5/21/2017  
DATE

WW020376  
CERTIFICATION NO.

5/21/2017  
DATE



Indiana Discharge Monitoring Report Form 30530  
**MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS**

Revision Pending Approval - September 2003

FACILITY NAME AND ADDRESS:

U.S. Steel Corporation  
One North Broadway  
Mail Sta. 70  
Gary, IN 46402

PLEASE COMPLETE AND SUBMIT ONE COPY EACH MONTH.  
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28TH OF THE FOLLOWING MONTH.

Mail To: Indiana Dept. of Environmental Management  
Office of Water Quality / Data Management Section  
P.O. Box 6015  
Indianapolis, Indiana 46206-6015

I N 0 0 0 0 2 8 1  
PERMIT NUMBER

0 1 5  
OUTFALL NO.

0 4 1 7  
MO. YR.

EFFLUENT CHARACTERISTICS		Phenolics, Total		Cyanide, Free		Lead, Total		Zinc, Total	
EFFLUENT PARAMETER NUMBER		Q00680	C00680	Q00718	C00718	Q01051	C01051	Q01094	C01094
SAMPLE TYPE	Permit Condition	Comp	Comp	Grab-3	Grab-3	Comp	Comp	Comp	Comp
	Monitored	Comp	Comp	Comp	Comp	Comp	Comp	Comp	Comp
FREQUENCY	Permit Condition	1/7	1/7	1/7	1/7	1/7	1/7	1/7	1/7
	Monitored	1/7	1/7	1/7	1/7	1/7	1/7	1/7	1/7
EFFLUENT LIMITATIONS	Permit Minimum	*****	*****	*****	*****	*****	*****	*****	*****
	Permit Average	Report	Report	Report	Report	Report	Report	Report	Report
	Permit Maximum	Report	Report	Report	Report	Report	Report	Report	Report
UNITS		LB/DAY	UG/L	LB/DAY	UG/L	LB/DAY	UG/L	LB/DAY	UG/L
1									
2									
3		0.146	10	< 0.015	< 1.0	0.0044	0.30	0.160	11
4									
5									
6									
7									
8									
9									
10		0.506	33	< 0.015	< 1.0	0.0097	0.63	0.215	14
11									
12									
13									
14									
15									
16									
17		0.183	13	< 0.014	< 1.0	0.0025	0.18	0.155	11
18									
19									
20									
21									
22									
23									
24		0.232	16	< 0.015	< 1.0	0.0036	0.25	0.160	11
25									
26									
27									
28									
29									
30									
MONTHLY AVERAGE		0.267	18	< 0.015	< 1.0	0.0051	0.34	0.173	12
HIGHEST VALUE		0.506	33	< 0.015	< 1.0	0.0097	0.63	0.215	14
LOWEST VALUE		0.146	10	< 0.014	< 1.0	0.0025	0.18	0.155	11
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0	0	0	0	0	0	0

Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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Joseph E. Hanning, Manager Environmental Control

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Page 14 of 84



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Indianapolis, Indiana 46206-6015

I N 0 0 0 0 2 8 1  
PERMIT NUMBER

0 1 5  
OUTFALL NO.

0 4 1 7  
MO. YR.

EFFLUENT CHARACTERISTICS		Mercury, Total		Chlorine, Total Residual		Temperature, Final		BOD, Carbonaceous	
EFFLUENT PARAMETER NUMBER		Q71901	C71901	Q50060	C50060	Q00011	C00011	Q80082	C80082
SAMPLE TYPE	Permit Condition	Grab	Grab	Grab	Grab	*****	Grab	Comp	Comp
	Monitored	Grab	Grab	Grab	Grab	*****	Continuous	Comp	Comp
FREQUENCY	Permit Condition	Bi-Monthly	Bi-Monthly	Daily	Daily	*****	1/7	1/7	1/7
	Monitored	1/30	1/30	Daily	Daily	*****	Continuous	1/7	1/7
EFFLUENT LIMITATIONS	Permit Minimum	*****	*****	*****	*****	*****	*****	*****	*****
	Permit Average	Report	Report	0.11	8	*****	*****	Report	Report
	Permit Maximum	Report	Report	0.85	60	*****	Report	Report	Report
UNITS		LB/DAY	NG/L	LB/DAY	UG/L		°F	LB/DAY	MG/L
	1			< 0.29	< 20		52.6		
	2			< 0.29	< 20		55.0		
	3			< 0.29	< 20		52.9	0.105	7.2
	4	0.00001	0.81	< 0.29	< 20		52.3		
	5			< 0.30	< 20		52.0		
	6			< 0.29	< 20		53.4		
	7			< 0.28	< 20		54.3		
	8			< 0.29	< 20		54.6		
	9			< 0.29	< 20		55.9		
	10			< 0.31	< 20		57.2	0.1841	12
	11			< 0.29	< 20		56.9		
	12			< 0.29	< 20		54.1		
	13			< 0.29	< 20		54.4		
	14			< 0.29	< 20		57.6		
	15			< 0.29	< 20		56.3		
	16			< 0.28	< 20		57.9		
	17			< 0.28	< 20		58.7	0.0761	5.4
	18			< 0.28	< 20		58.3		
	19			< 0.29	< 20		57.3		
	20			< 0.28	< 20		57.5		
	21			< 0.28	< 20		60.3		
	22			< 0.29	< 20		62.7		
	23			< 0.29	< 20		63.0		
	24			< 0.29	< 20		59.9	0.1598	11
	25			< 0.29	< 20		60.8		
	26			< 0.29	< 20		57.2		
	27			< 0.29	< 20		58.0		
	28			< 0.28	< 20		59.1		
	29			< 0.29	< 20		59.9		
	30			< 0.30	< 20		60.9		
MONTHLY AVERAGE		0.00001	0.81	0.00	0.00		57.0	0.131	8.9
HIGHEST VALUE		0.00001	0.81	< 0.31	< 20		63.0	0.184	12
LOWEST VALUE		0.00001	0.81	< 0.28	< 20		52.0	0.076	5.4
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0	0	0	0	0	0	0

Highlighted Monthly Averages are LOQ based calculations. Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

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(SIGNATURE OF CERTIFIED OPERATOR)  
Mark Henry  
219.763.5869  
PHONE NUMBER

5/21/2017  
DATE

WW020376  
CERTIFICATION NO.

Joseph E. Hanning  
(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)  
Joseph E. Hanning, Manager Environmental Control

5/21/2017  
DATE



# Indiana Discharge Monitoring Report Form 30530

## MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS

Revision Pending Approval - September 2003

FACILITY NAME AND ADDRESS:

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Gary, IN 46402

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P.O. Box 6015  
Indianapolis, Indiana 46206-6015

I N 0 0 0 0 2 8 1  
PERMIT NUMBER

0 1 8  
OUTFALL NO.

0 4 1 7  
MO. YR.

EFFLUENT CHARACTERISTICS		FLOW	pH	Cyanide, Free		Oil & Grease		Nitrogen, Ammonia Total	
EFFLUENT PARAMETER NUMBER		Q50050	C00400	Q00718	C00718		C00552	Q00610	C00610
SAMPLE TYPE	Permit Condition	RCOTOT	Grab	Grab-3	Grab-3		Grab	Comp	Comp
	Monitored	RCOTOT	Grab	Comp	Comp		Grab	Comp	Comp
FREQUENCY	Permit Condition	Daily	1/7	1 /30	1 /30		1/7	2 /30	2 /30
	Monitored	Daily	1/7	1 /30	1 /30		1/7	2 /30	2 /30
EFFLUENT LIMITATIONS	Permit Minimum	*****	6.0	*****	*****		*****	*****	*****
	Permit Average	Report	*****	*****	*****		Report	Report	Report
	Permit Maximum	Report	9.0	Report	Report		Report	Report	Report
UNITS =		MGD	S.U.	LB/DAY	MG/L		MG/L	LB/DAY	MG/L
	1	48.4							
	2	47.9							
	3	48.3	7.4	< 0.40	< 0.0010		< 1.3	28.1	0.070
	4	48.6							
	5	49.4							
	6	52.8							
	7	48.8							
	8	47.7							
	9	60.9							
	10	68.9	7.4				< 1.3	47.14	0.082
	11	69.8							
	12	69.9							
	13	70.7							
	14	71.0							
	15	70.8							
	16	70.1							
	17	70.0	8				2.7		
	18	70.0							
	19	70.8							
	20	70.9							
	21	70.1							
	22	70.0							
	23	70.2							
	24	70.6	7.3				< 1.3		
	25	71.3							
	26	71.3							
	27	71.2							
	28	70.8							
	29	70.3							
	30	67.8							
MONTHLY AVERAGE		64.3		< 0.40	< 0.0010		< 1.6	37.62	0.076
HIGHEST VALUE		71.3	8	< 0.40	< 0.0010		2.7	47.14	0.082
LOWEST VALUE		47.7	7.3	< 0.40	< 0.0010		< 1.3	28.1	0.070
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0	0	0		0	0	0
TOTAL FLOW		1929.3							

Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

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219.763.5869

PHONE NUMBER

5/21/2017

DATE

WW020376  
CERTIFICATION NO.

Joseph E. Hanning

(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)

Joseph E. Hanning, Manager Environmental Control

5/21/2017

DATE



Indiana Discharge Monitoring Report Form 30530  
**MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS**

Revision Pending Approval - September 2003

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P.O. Box 6015  
Indianapolis, Indiana 46206-6015

I N O O O O 2 8 1  
PERMIT NUMBER

0 1 8  
OUTFALL NO.

0 4 1 7  
MO. YR.

EFFLUENT CHARACTERISTICS		Mercury, Total		Chlorine, Total Residual		Phenolics		Temperature, Final	
EFFLUENT PARAMETER NUMBER		Q71901	C71901	Q50060	C50060	Q00680	C00680	*****	C00011
SAMPLE TYPE	Permit Condition	Grab	Grab	Grab	Grab	Comp	Comp	*****	Grab-6
	Monitored	Grab	Grab			Comp	Comp	*****	Continuous
FREQUENCY	Permit Condition	Bi-monthly	Bi-monthly	Daily	Daily	1 /30	1 /30	*****	2/7
	Monitored	1/30	1/30			1 /30	1 /30	*****	Continuous
EFFLUENT LIMITATIONS	Permit Minimum	*****	*****	*****	*****	*****	*****	*****	*****
	Permit Average	Report	Report	3.9	8	Report	Report	*****	*****
	Permit Maximum	Report	Report	29.1	60	Report	Report	*****	Report
UNITS		LB/DAY	NG/L	LB/DAY	UG/L	LB/DAY	MG/L		°F
	1								53.3
	2								53.7
	3					1.45	0.0036		54.0
	4								53.9
	5								53.4
	6	0.0004	0.88						53.4
	7								55.2
	8								55.3
	9								55.6
	10								56.1
	11								56.1
	12								55.5
	13								56.3
	14								57.3
	15								56.9
	16								58.2
	17								58.3
	18								59.4
	19								58.6
	20								58.3
	21								60.3
	22								61.6
	23								62.1
	24								62.9
	25								62.8
	26								61.8
	27								59.5
	28								59.9
	29								62.0
	30								61.5
MONTHLY AVERAGE		0.0004	0.88	NA	NA	1.45	0.0036		57.8
HIGHEST VALUE		0.0004	0.88	NA	NA	1.45	0.0036		62.9
LOWEST VALUE		0.0004	0.88	NA	NA	1.45	0.0036		53.3
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0	0	0	0	0	0	0

Highlighted Monthly Averages are LOQ based calculations.

Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

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I N 0 0 0 0 2 8 1  
PERMIT NUMBER

0 1 9  
OUTFALL NO.

0 4 1 7  
MO. YR.

EFFLUENT CHARACTERISTICS		FLOW	pH	Cyanide, Free		Oil & Grease		Nitrogen, Ammonia Total	
EFFLUENT PARAMETER NUMBER		Q50050	C00400	Q00718	C00718		C00552	Q00610	C00610
SAMPLE TYPE	Permit Condition	RCOTOT	Grab	Grab-3	Grab-3		Grab	Comp	Comp
	Monitored	RCOTOT	Grab	Comp	Comp		Grab	Comp	Comp
FREQUENCY	Permit Condition	Daily	1/7	2 /30	2 /30		1/7	2 /30	2 /30
	Monitored	Daily	1/7	2 /30	2 /30		1/7	2 /30	2 /30
EFFLUENT LIMITATIONS	Permit Minimum	*****	6.0	*****	*****		*****	*****	*****
	Permit Average	Report	*****	Report	Report		Report	Report	Report
	Permit Maximum	Report	9.0	Report	Report		Report	Report	Report
UNITS =		MGD	S.U.	LB/DAY	UG/L		MG/L	LB/DAY	MG/L
	1	75.6							
	2	76.1							
	3	76.2	7.6	1.525	2.4		1.3	35.27	0.056
	4	75.9							
	5	76.3							
	6	76.3							
	7	76.0							
	8	75.2							
	9	75.5							
	10	75.4	7.0	< 0.629	< 1.0		< 1.3	48.42	0.077
	11	75.9							
	12	76.2							
	13	75.8							
	14	76.1							
	15	76.4							
	16	76.7							
	17	76.6	8.0				< 1.3		
	18	76.7							
	19	76.3							
	20	75.9							
	21	76.1							
	22	76.1							
	23	75.8							
	24	75.7	7.0				< 1.3		
	25	75.3							
	26	75.7							
	27	76.0							
	28	75.4							
	29	76.0							
	30	75.5							
MONTHLY AVERAGE		75.9		< 1.077	< 1.7		< 1.3	41.85	0.066
HIGHEST VALUE		76.7	8.0	1.525	2.4		1.3	48.42	0.077
LOWEST VALUE		75.2	7.0	< 0.629	< 1.0		< 1.3	35.27	0.056
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0	0	0		0	0	0
TOTAL FLOW		2278.367							

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5/21/2017

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PERMIT NUMBER

0 1 9  
OUTFALL NO.

0 4 1 7  
MO. YR.

EFFLUENT CHARACTERISTICS		Mercury, Total		Chlorine, Total Residual		Phenolics		Temperature, Final	
EFFLUENT PARAMETER NUMBER		Q71901	C71901	Q50060	C50060	Q00680	C00680	*****	C00011
SAMPLE TYPE	Permit Condition	Grab	Grab	Grab	Grab	Comp	Comp	*****	Grab-6
	Monitored	Grab	Grab			Comp	Comp	*****	Continuous
FREQUENCY	Permit Condition	Bi-monthly	Bi-monthly	Daily	Daily	1 /30	1 /30	*****	2/7
	Monitored	1/30	1/30			1 /30	1 /30	*****	Continuous
EFFLUENT LIMITATIONS	Permit Minimum	*****	*****	*****	*****	*****	*****	*****	*****
	Permit Average	Report	Report	3.3	8	Report	Report	*****	*****
	Permit Maximum	Report	Report	24.7	60	Report	Report	*****	Report
UNITS		LB/DAY	NG/L	LB/DAY	UG/L	LB/DAY	MG/L		°F
	1								53.1
	2								51.8
	3					2.288	0.0036		52.0
	4								52.3
	5								52.7
	6	0.0008	1.3						52.8
	7								53.6
	8								53.7
	9								54.3
	10								55.3
	11								54.5
	12								54.4
	13								56.4
	14								55.6
	15								54.9
	16								54.5
	17								56.2
	18								55.8
	19								57.3
	20								57.9
	21								58.7
	22								60.5
	23								60.9
	24								60.7
	25								59.9
	26								57.8
	27								56.8
	28								57.9
	29								60.1
	30								59.2
MONTHLY AVERAGE		0.0008	1.3	NA	NA	2.288	0.0036		56.0
HIGHEST VALUE		0.0008	1.3	NA	NA	2.288	0.0036		60.9
LOWEST VALUE		0.0008	1.3	NA	NA	2.288	0.0036		51.8
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0	0	0	0	0		0

Highlighted Monthly Averages are LOQ based calculations.

Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

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Mark Henry  
(SIGNATURE OF CERTIFIED OPERATOR)

Mark Henry  
219.763.5869

PHONE NUMBER

5/21/2017

DATE

WW020376

CERTIFICATION NO.

Joseph E. Hanning

(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)

Joseph E. Hanning, Manager Environmental Control

5/21/2017

DATE



# Indiana Discharge Monitoring Report Form 30530

## MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS

Revision Pending Approval - September 2003

FACILITY NAME AND ADDRESS:

U.S. Steel Corporation  
One North Broadway  
Mail Sta. 70  
Gary, IN 46402

PLEASE COMPLETE AND SUBMIT ONE COPY EACH MONTH.  
THIS REPORT MUST BE POSTMARKED NO LATER THAN THE  
28TH OF THE FOLLOWING MONTH.

Mail To: Indiana Dept. of Environmental Management  
Office of Water Quality / Data Management Section  
P.O. Box 6015  
Indianapolis, Indiana 46206-6015

I N 0 0 0 2 8 1  
PERMIT NUMBER

0 2 0  
OUTFALL NO.

0 4 1 7  
MO. YR.

EFFLUENT CHARACTERISTICS		FLOW	pH	Oil & Grease		Lead, Total		Zinc, Total	
EFFLUENT PARAMETER NUMBER		Q50050	C00400		C00552	Q01051	C01051	Q01094	C01094
SAMPLE TYPE	Permit Condition	RCOTOT	Grab		Grab	Comp	Comp	Comp	Comp
	Monitored	RCOTOT	Grab		Grab	Comp	Comp	Comp	Comp
FREQUENCY	Permit Condition	Daily	1/7		1/7	2 /30	2 /30	2 /30	2 /30
	Monitored	Daily	1/7		1/7	2 /30	2 /30	2 /30	2 /30
EFFLUENT LIMITATIONS	Permit Minimum	*****	6.0		*****	*****	*****	*****	*****
	Permit Average	Report	*****		Report	Report	Report	Report	Report
	Permit Maximum	Report	9.0		Report	Report	Report	Report	Report
UNITS =		MGD	S.U.		MG/L	LB/DAY	MG/L	LB/DAY	MG/L
	1	65.0							
	2	64.3							
	3	60.2	7.6		< 1.3	0.11	0.00022	5.53	0.011
	4	61.2							
	5	59.5							
	6	58.3							
	7	59.2							
	8	65.0							
	9	64.7							
	10	64.3	7.5		< 1.3	0.19	0.00035	5.90	0.011
	11	60.9							
	12	61.7							
	13	64.7							
	14	64.6							
	15	64.6							
	16	64.4							
	17	63.7	8		1.3				
	18	61.5							
	19	61.1							
	20	60.4							
	21	64.0							
	22	62.7							
	23	64.0							
	24	61.5	6.9		< 1.3				
	25	61.7							
	26	63.0							
	27	62.0							
	28	60.1							
	29	62.2							
	30	61.4							
MONTHLY AVERAGE		62.4			< 1.3	0.15	0.00029	5.71	0.011
HIGHEST VALUE		65.0	8.0		1.3	0.19	0.00035	5.90	0.011
LOWEST VALUE		58.3	6.9		< 1.3	0.11	0.00022	5.53	0.011
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0		0	0	0	0	0
TOTAL FLOW		1872.061							

Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

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219.763.5869  
PHONE NUMBER

5/21/2017  
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WW020376  
CERTIFICATION NO.

Joseph E. Hanning  
(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)  
Joseph E. Hanning, Manager Environmental Control

5/21/2017  
DATE  
Page 20 of 84







Indiana Discharge Monitoring Report Form 30530  
**MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS**

Revision Pending Approval - September 2003

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Indianapolis, Indiana 46206-6015

I N 0 0 0 0 2 8 1

PERMIT NUMBER

0 2 1

OUTFALL NO.

0 4 1 7

MO. YR.

EFFLUENT CHARACTERISTICS		FLOW	pH	Oil & Grease		Chlorine, Total Residual			
EFFLUENT PARAMETER NUMBER		Q50050	C00400		C00552	Q50060	C50060		
SAMPLE TYPE	Permit Condition	Estimate	Grab		Grab	Grab	Grab		
	Monitored	Estimate	Grab		Grab				
FREQUENCY	Permit Condition	1 /30	1 /30		1 /30	Daily	Daily		
	Monitored	1 /30	1 /30		1 /30				
EFFLUENT LIMITATIONS	Permit Minimum	*****	6.0		*****	*****	*****		
	Permit Average	Report	*****		*****	0.040	8		
	Permit Maximum	Report	9.0		Report	0.3	60		
UNITS =		MGD	S.U.		MG/L	LB/DAY	UG/L		
	1								
	2								
	3	0.6	7.6		< 1.3				
	4								
	5								
	6								
	7								
	8								
	9								
	10								
	11								
	12								
	13								
	14								
	15								
	16								
	17								
	18								
	19								
	20								
	21								
	22								
	23								
	24								
	25								
	26								
	27								
	28								
	29								
	30								
MONTHLY AVERAGE		0.6			< 1.3	NA	NA		
HIGHEST VALUE		0.6	7.6		< 1.3	NA	NA		
LOWEST VALUE		0.6	7.6		< 1.3	NA	NA		
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0		0	0	0		
TOTAL FLOW		18	Highlighted Monthly Averages are LOQ based calculations. Highlighted values <LOQ & >= LOD are not quantifiable						

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PHONE NUMBER

5/21/2017  
DATE

WW020376  
CERTIFICATION NO.

Joseph E. Hanning  
(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)  
Joseph E. Hanning, Manager Environmental Control

5/21/2017  
DATE  
Page 22 of 84





Indiana Discharge Monitoring Report Form 30530  
**MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS**

Revision Pending Approval - September 2003

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Indianapolis, Indiana 46206-6015

I N O O O O 2 8 1

PERMIT NUMBER

0 2 8

OUTFALL NO.

0 4 1 7

MO. YR.

EFFLUENT CHARACTERISTICS		Zinc, Total		Mercury, Total		Chlorine, Total Residual		Temperature, Final	
EFFLUENT PARAMETER NUMBER		Q01094	C01094	Q71901	C71901	Q50060	C50060	Q00011	C00011
SAMPLE TYPE	Permit Condition	Comp	Comp	Grab	Grab	Grab	Grab	*****	Grab
	Monitored	Comp	Comp	Grab	Grab	Grab	Grab	*****	Continuous
FREQUENCY	Permit Condition	1/7	1/7	Bi-monthly	Bi-monthly	Daily	Daily	*****	2/7
	Monitored	1/7	1/7	1/30	1/30	Daily	Daily	*****	Continuous
EFFLUENT LIMITATIONS	Permit Minimum	*****	*****	*****	*****	*****	*****	*****	*****
	Permit Average	Report	Report	Report	Report	1.9	8	*****	*****
	Permit Maximum	Report	Report	Report	Report	14.1	60	*****	Report
UNITS		LB/DAY	MG/L	LB/DAY	NG/L	LB/DAY	UG/L		°F
	1					< 0.96	< 20		68.3
	2					< 0.98	< 20		67.1
	3	7.24	0.14			< 1.03	< 20		67.8
	4					< 1.00	< 20		67.4
	5					< 1.04	< 20		67.5
	6			0.0001	2.9	< 0.83	< 20		64.3
	7					< 1.03	< 20		63.1
	8					< 1.09	< 20		70.8
	9					< 1.09	< 20		74.6
	10	4.95	0.088			< 1.13	< 20		75.6
	11					< 1.03	< 20		73.7
	12					< 1.06	< 20		73.2
	13					< 1.03	< 20		71.6
	14					< 1.02	< 20		73.3
	15					< 0.95	< 20		75.7
	16					< 0.99	< 20		76.5
	17	3.65	0.074			< 0.99	< 20		75.4
	18					< 0.92	< 20		74.3
	19					< 1.12	< 20		75.4
	20					< 1.14	< 20		75.9
	21					< 1.16	< 20		73.0
	22					< 1.10	< 20		74.3
	23					< 1.06	< 20		76.5
	24	3.06	0.053			< 1.15	< 20		77.9
	25					< 1.15	< 20		78.0
	26					< 1.15	< 20		79.8
	27					< 1.05	< 20		76.2
	28					< 1.18	< 20		74.8
	29					< 1.17	< 20		73.7
	30					< 1.02	< 20		73.8
MONTHLY AVERAGE		4.73	0.089	0.0001	2.9	0.00	0.0		73.0
HIGHEST VALUE		7.24	0.14	0.0001	2.9	< 1.179	< 20		79.8
LOWEST VALUE		3.06	0.053	0.0001	2.9	< 0.83	< 20		63.1
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0	0	0	0	0	0	0

Highlighted Monthly Averages are LOQ based calculations. Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

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(SIGNATURE OF CERTIFIED OPERATOR)

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219.763.5869  
PHONE NUMBER

5/21/2017  
DATE

WW020376  
CERTIFICATION NO.

Joseph E. Hanning  
(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)

Joseph E. Hanning, Manager Environmental Control

5/21/2017  
DATE

Page 25 of 84



Indiana Discharge Monitoring Report Form 30530  
**MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS**

Revision Pending Approval - September 2003

FACILITY NAME AND ADDRESS:

U.S. Steel Corporation  
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P.O. Box 6015  
Indianapolis, Indiana 46206-6015

1 N 0 0 0 0 2 8 1

PERMIT NUMBER

0 2 8

OUTFALL NO.

0 4 1 7

MO. YR.

EFFLUENT CHARACTERISTICS		Fluoride						
EFFLUENT PARAMETER NUMBER		Q00951	C00951					
SAMPLE TYPE	Permit Condition	Comp	Comp					
	Monitored	Comp	Comp					
FREQUENCY	Permit Condition	2/30	2/30					
	Monitored	2/30	2/30					
EFFLUENT LIMITATIONS	Permit Minimum	*****	*****					
	Permit Average	Report	Report					
	Permit Maximum	Report	Report					
UNITS		LB/DAY	MG/L					
	1							
	2							
	3	165	3.2					
	4							
	5							
	6							
	7							
	8							
	9							
	10	214	3.8					
	11							
	12							
	13							
	14							
	15							
	16							
	17							
	18							
	19							
	20							
	21							
	22							
	23							
	24							
	25							
	26							
	27							
	28							
	29							
	30							
MONTHLY AVERAGE		190	3.5					
HIGHEST VALUE		214	3.8					
LOWEST VALUE		165	3.2					
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0					

Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

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Page 26 of 84



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I N 0 0 0 0 2 8 1  
PERMIT NUMBER

0 3 0  
OUTFALL NO.

0 4 1 7  
MO. YR.

EFFLUENT CHARACTERISTICS		FLOW	pH	TSS		Oil & Grease		Lead, Total	
EFFLUENT PARAMETER NUMBER		Q50050	C00400	Q00530	C00530	Q00552	C00552	Q01051	C01051
SAMPLE TYPE	Permit Condition	RCOTOT	Grab	Comp	Comp	Grab-3	Grab-3	Comp	Comp
	Monitored	RCOTOT	Grab	Comp	Comp	Grab-3	Grab-3	Comp	Comp
FREQUENCY	Permit Condition	Daily	1/7	5/7	5/7	5/7	5/7	2/7	2/7
	Monitored	Daily	1/7	5/7	5/7	5/7	5/7	2/7	2/7
EFFLUENT LIMITATIONS	Permit Minimum	*****	6.0	*****	*****	*****	*****	*****	*****
	Permit Average	Report	*****	2038	Report	1274	Report	6.1	0.026
	Permit Maximum	Report	9.0	5933	Report	2807	Report	12	0.052
UNITS =		MGD	S.U.	LB/DAY	MG/L	LB/DAY	MG/L	LB/DAY	MG/L
	1	12.56							
	2	12.52							
	3	13.88	7.9	938.1	8.1	< 193	< 1.7	0.45	0.0039
	4	13.48		899.8	8.0	< 165	< 1.5		
	5	14.05		1055.3	9.0	< 258	< 2.2	0.35	0.0030
	6	9.89		1155.1	14	149	1.8		
	7	12.94		1404.0	13	216	2.0		
	8	13.27							
	9	13.52							
	10	14.86	7.9	1488.2	12	335	2.7	0.40	0.0032
	11	14.59		1826.2	15	207	1.7		
	12	14.80		1235.2	10	441	3.6	0.22	0.0018
	13	14.43		1192.1	9.9	225	1.9		
	14	14.67		1175.5	9.6	233	1.9		
	15	14.84							
	16	16.12							
	17	14.81	8.1	692.0	5.6	< 161	< 1.3	0.51	0.0041
	18	15.70		903.7	6.9	< 223	< 1.7		
	19	17.30		808.7	5.6	< 188	< 1.3	0.23	0.0016
	20	16.49		674.3	4.9	349	2.5		
	21	16.50		399.3	2.9	< 197	< 1.4		
	22	15.70							
	23	15.44							
	24	17.51	7.7	569.8	3.9	< 205	< 1.4	0.19	0.0013
	25	17.36		681.0	4.7	< 188	< 1.3		
	26	17.41		494.0	3.4	< 189	< 1.3	0.25	0.0017
	27	15.73		538.1	4.1	< 193	< 1.5		
	28	17.46		305.9	2.1	< 248	< 1.7		
	29	17.92							
	30	17.62							
MONTHLY AVERAGE		15.11		921.8	7.6	< 228	< 1.8	0.32	0.0026
HIGHEST VALUE		17.92	8.1	1826.2	15	441	3.6	0.51	0.0041
LOWEST VALUE		9.89	7.7	305.9	2.1	< 149	< 1.3	0.19	0.0013
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0	0	0	0	0	0	0
TOTAL FLOW		453.37							

Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

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I N 0 0 0 0 2 8 1  
PERMIT NUMBER

0 3 0  
OUTFALL NO.

0 4 1 7  
MO. YR.

EFFLUENT CHARACTERISTICS		Zinc, Total		Mercury, Total		Chlorine, Total Residual		Temperature, Final	
EFFLUENT PARAMETER NUMBER		Q01094	C01094	Q71901	C71901	Q50060	C50060	Q00011	C00011
SAMPLE TYPE	Permit Condition	Comp	Comp	Grab	Grab	Grab	Grab	*****	Grab
	Monitored	Comp	Comp	Grab	Grab	Grab	Grab	*****	Continuous
FREQUENCY	Permit Condition	1/7	1/7	Bi-monthly	Bi-monthly	Daily	Daily	*****	2/7
	Monitored	1/7	1/7	1/30	1/30	Daily	Daily	*****	Continuous
EFFLUENT LIMITATIONS	Permit Minimum	*****	*****	*****	*****	*****	*****	*****	*****
	Permit Average	Report	Report	Report	Report	1.9	8	*****	*****
	Permit Maximum	Report	Report	Report	Report	14.1	60	*****	Report
UNITS		LB/DAY	MG/L	LB/DAY	NG/L	LB/DAY	UG/L		°F
	1					< 2.10	< 20		68.9
	2					< 2.09	< 20		67.5
	3	17.37	0.15			< 2.32	< 20		67.9
	4					< 2.25	< 20		67.8
	5					< 2.35	< 20		67.8
	6			0.0002	2.5	< 1.65	< 20		64.3
	7					< 2.16	< 20		62.6
	8					< 2.22	< 20		69.9
	9					< 2.26	< 20		73.5
	10	10.91	0.088			< 2.48	< 20		74.5
	11					< 2.43	< 20		73.2
	12					< 2.47	< 20		73.2
	13					< 2.41	< 20		71.2
	14					< 2.45	< 20		72.9
	15					< 2.48	< 20		74.5
	16					< 2.69	< 20		75.9
	17	9.76	0.079			< 2.47	< 20		75.4
	18					< 2.62	< 20		73.7
	19					< 2.89	< 20		74.8
	20					< 2.75	< 20		74.7
	21					< 2.75	< 20		72.9
	22					< 2.62	< 20		73.9
	23					< 2.58	< 20		76.2
	24	6.72	0.046			< 2.92	< 20		77.4
	25					< 2.90	< 20		77.6
	26					< 2.91	< 20		78.9
	27					< 2.63	< 20		75.7
	28					< 2.91	< 20		74.5
	29					< 2.99	< 20		73.2
	30					< 2.94	< 20		73.2
MONTHLY AVERAGE		11.19	0.091	0.0002	2.5	0.00	0.0		72.6
HIGHEST VALUE		17.37	0.15	0.0002	2.5	< 2.99	< 20		78.9
LOWEST VALUE		6.72	0.046	0.0002	2.5	< 1.65	< 20		62.6
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0	0	0	0	0	0	0

Highlighted Monthly Averages are LOQ based calculations. Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

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Mark Henry  
(SIGNATURE OF CERTIFIED OPERATOR)

Mark Henry  
219.763.5869  
PHONE NUMBER

5/21/2017  
DATE

WW020376  
CERTIFICATION NO.

Joseph E. Hanning  
(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)

Joseph E. Hanning, Manager Environmental Control

5/21/2017  
DATE



Indiana Discharge Monitoring Report Form 30530  
**MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS**

Revision Pending Approval - September 2003

FACILITY NAME AND ADDRESS:

U.S. Steel Corporation  
One North Broadway  
Mail Sta. 70  
Gary, IN 46402

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Office of Water Quality / Data Management Section  
P.O. Box 6015  
Indianapolis, Indiana 46206-6015

I N O O O O 2 8 1  
PERMIT NUMBER

0 3 0  
OUTFALL NO.

0 4 1 7  
MO. YR.

EFFLUENT CHARACTERISTICS		Fluoride						
EFFLUENT PARAMETER NUMBER		Q00951	C00951					
SAMPLE TYPE	Permit Condition	Comp	Comp					
	Monitored	Comp	Comp					
FREQUENCY	Permit Condition	2/30	2/30					
	Monitored	2/30	2/30					
EFFLUENT LIMITATIONS	Permit Minimum	*****	*****					
	Permit Average	Report	Report					
	Permit Maximum	Report	Report					
UNITS		LB/DAY	MG/L					
	1							
	2							
	3	359	3.1					
	4							
	5							
	6							
	7							
	8							
	9							
	10	471	3.8					
	11							
	12							
	13							
	14							
	15							
	16							
	17							
	18							
	19							
	20							
	21							
	22							
	23							
	24							
	25							
	26							
	27							
	28							
	29							
	30							
MONTHLY AVERAGE		415	3.5					
HIGHEST VALUE		471	3.8					
LOWEST VALUE		359	3.1					
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0					

Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

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I N 0 0 0 0 2 8 1  
PERMIT NUMBER

6 0 0  
OUTFALL NO.

0 4 1 7  
MO. YR.

EFFLUENT CHARACTERISTICS		FLOW	TSS		Oil & Grease		Lead, Total	
EFFLUENT PARAMETER NUMBER		Q50050	Q00530	C00530	Q00552	C00552	Q01051	C01051
SAMPLE TYPE	Permit Condition	RCOTOT	Comp	Comp	Grab-3	Grab-3	Comp	Comp
	Monitored	RCOTOT	Comp	Comp	Grab-3	Grab-3	Comp	Comp
FREQUENCY	Permit Condition	Daily	5/7	5/7	5/7	5/7	2/7	2/7
	Monitored	Daily	5/7	5/7	5/7	5/7	2/7	2/7
EFFLUENT LIMITATIONS	Permit Minimum	*****	*****	*****	*****	*****	*****	*****
	Permit Average	Report	2038	Report	1274	Report	6.1	0.026
	Permit Maximum	Report	5933	Report	2807	Report	12	0.052
UNITS =		MGD	LB/DAY	MG/L	LB/DAY	MG/L	LB/DAY	MG/L
	1	18.30						
	2	18.37						
	3	20.08	1305.3	7.8	< 282.7	< 1.7	0.65	0.0039
	4	19.49	1401.4	8.6	278.7	1.7		
	5	20.28	1642.5	9.7	< 335.9	< 2.0	0.51	0.0030
	6	14.84	1692.6	14	< 216.1	< 1.7		
	7	19.12	2228.4	14	353.4	2.2		
	8	19.78						
	9	20.05						
	10	21.60	2275.7	13	< 408	< 2.3	0.58	0.0032
	11	20.79	2498.4	14	< 350	< 2.0		
	12	21.18	1661.2	9	634	3.6	0.32	0.0018
	13	20.59	1649.8	10	305.3	1.8		
	14	20.80	1737.5	10	343.3	2.0		
	15	20.56						
	16	22.03						
	17	20.72	1037.5	6.0	< 224.8	< 1.3	0.68	0.0039
	18	21.21	1152.2	6.5	< 325.4	< 1.8		
	19	24.01	1200.6	6.0	< 260.5	< 1.3	0.35	0.0017
	20	23.32	976.5	5.0	527.3	2.7		
	21	23.46	556.0	2.8	< 296	< 1.5		
	22	22.31						
	23	21.78						
	24	24.43	852.7	4.2	< 295	< 1.4	0.27	0.0013
	25	24.23	887.3	4.4	< 283.9	< 1.4		
	26	24.33	673.0	3.3	346.7	1.7	0.33	0.0016
	27	22.03	753.8	4.1	< 264.4	< 1.4		
	28	24.52	524.0	2.6	347.9	1.7		
	29	24.95						
	30	23.70						
MONTHLY AVERAGE		21.43	1335.3	7.7	< 334	< 1.9	0.46	0.0026
HIGHEST VALUE		24.95	2498.4	14	634	3.6	0.68	0.0039
LOWEST VALUE		14.84	524.0	2.6	< 216.1	< 1.3	0.27	0.0013
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0	0	0	0	0	0
TOTAL FLOW		642.85	Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.					

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WW020376  
CERTIFICATION NO.

Joseph E. Hanning  
(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)  
Joseph E. Hanning, Manager Environmental Control

5/21/2017  
DATE



Indiana Discharge Monitoring Report Form 30530  
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Revision Pending Approval - September 2003

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I N O O O O 2 8 1  
PERMIT NUMBER

6 0 0  
OUTFALL NO.

0 4 1 7  
MO. YR.

EFFLUENT CHARACTERISTICS		Zinc, Total		Mercury, Total		Fluoride		Chlorine, Total Residual	
EFFLUENT PARAMETER NUMBER		Q01094	C01094	Q71901	C71901	Q00951	C00951	Q50060	C50060
SAMPLE TYPE	Permit Condition	Comp	Comp	Grab	Grab	Comp	Comp	Grab	Grab
	Monitored	Comp	Comp	Grab	Grab	Comp	Comp	Grab	Grab
FREQUENCY	Permit Condition	1/7	1/7	Bi-monthly	Bi-monthly	2/30	2/30	Daily	Daily
	Monitored	1/7	1/7	1/30	1/30	2/30	2/30	Daily	Daily
EFFLUENT LIMITATIONS	Permit Minimum	*****	*****	*****	*****	*****	*****	*****	*****
	Permit Average	Report	Report	Report	Report	Report	Report	1.9	8
	Permit Maximum	Report	Report	Report	Report	Report	Report	14.1	60
UNITS		LB/DAY	MG/L	LB/DAY	NG/L	LB/DAY	MG/L	Lbs/Day	ug/L
	1							< 3.05	< 20
	2							< 3.07	< 20
	3	24.61	0.15			525	3.1	< 3.35	< 20
	4							< 3.25	< 20
	5							< 3.38	< 20
	6			0.0003	2.6			< 2.48	< 20
	7							< 3.19	< 20
	8							< 3.30	< 20
	9							< 3.35	< 20
	10	15.86	0.088			685	3.8	< 3.61	< 20
	11							< 3.47	< 20
	12							< 3.54	< 20
	13							< 3.44	< 20
	14							< 3.47	< 20
	15							< 3.43	< 20
	16							< 3.68	< 20
	17	13.41	0.078					< 3.46	< 20
	18							< 3.54	< 20
	19							< 4.01	< 20
	20							< 3.89	< 20
	21							< 3.91	< 20
	22							< 3.72	< 20
	23							< 3.64	< 20
	24	9.78	0.048					< 4.08	< 20
	25							< 4.04	< 20
	26							< 4.06	< 20
	27							< 3.68	< 20
	28							< 4.09	< 20
	29							< 4.16	< 20
	30							< 3.96	< 20
MONTHLY AVERAGE		15.92	0.090	0.0003	2.6	604.8	3.5	0.00	0.0
HIGHEST VALUE		24.61	0.15	0.0003	2.6	685.0	3.8	< 4.16	< 20
LOWEST VALUE		9.78	0.048	0.0003	2.6	524.5	3.1	< 2.48	< 20
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0	0	0	0	0		

Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

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(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)  
Joseph E. Hanning, Manager Environmental Control

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DATE



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Indianapolis, Indiana 46206-6015

I N 0 0 0 0 2 8 1

PERMIT NUMBER

0 3 2

OUTFALL NO.

0 4 1 7

MO.

YR.

EFFLUENT CHARACTERISTICS		FLOW	pH	Oil & Grease		Chlorine, Total Residual			
EFFLUENT PARAMETER NUMBER		Q50050	C00400		C00552	Q50060	C50060		
SAMPLE TYPE	Permit Condition	Estimate	Grab		Grab	Grab	Grab		
	Monitored	Estimate	Grab		Grab				
FREQUENCY	Permit Condition	1 /30	1 /30		1 /30	Daily	Daily		
	Monitored	1 /30	1 /30		1 /30				
EFFLUENT LIMITATIONS	Permit Minimum	*****	6.0		*****	*****	*****		
	Permit Average	Report	*****		*****	0.020	8		
	Permit Maximum	Report	9.0		Report	0.15	60		
UNITS =		MGD	S.U.		MG/L	LB/DAY	UG/L		
	1								
	2								
	3	0.3	7.7		< 1.3				
	4								
	5								
	6								
	7								
	8								
	9								
	10								
	11								
	12								
	13								
	14								
	15								
	16								
	17								
	18								
	19								
	20								
	21								
	22								
	23								
	24								
	25								
	26								
	27								
	28								
	29								
	30								
MONTHLY AVERAGE		0.3			< 1.3	NA	NA		
HIGHEST VALUE		0.3	7.7		< 1.3	NA	NA		
LOWEST VALUE		0.3	7.7		< 1.3	NA	NA		
NO. OF TIMES WEEKLY OR DAILY									
EFFL. LIMITATIONS EXCEEDED		0	0		0	0	0		
TOTAL FLOW		9	Highlighted Monthly Averages are LOQ based calculations. Highlighted values <LOQ & >= LOD are not quantifiable						

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Page 32 of 84



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I N O 0 0 0 2 8 1  
PERMIT NUMBER

0 3 3  
OUTFALL NO.

0 4 1 7  
MO. YR.

EFFLUENT CHARACTERISTICS		FLOW	pH	Oil & Grease		Phenolics, Total		Chlorine, Total Residual	
EFFLUENT PARAMETER NUMBER		Q50050	C00400		C00552	Q00680	C00680	Q50060	C50060
SAMPLE TYPE	Permit Condition	Estimate	Grab		Grab	Comp	Comp	Grab	Grab
	Monitored	Estimate	Grab		Grab	Comp	Comp		
FREQUENCY	Permit Condition	1 /30	1 /30		1 /30	1 /30	1 /30	Daily	Daily
	Monitored	1 /30	1 /30		1 /30	1 /30	1 /30		
EFFLUENT LIMITATIONS	Permit Minimum	*****	6.0		*****	*****	*****	*****	*****
	Permit Average	Report	*****		*****	*****	*****	0.013	8
	Permit Maximum	Report	9.0		Report	Report	Report	0.1	60
UNITS =		MGD	S.U.		MG/L	LB/DAY	MG/L	LB/DAY	UG/L
		1							
		2							
		3	0.2	7.9	1.9	0.0068	0.0041		
		4							
		5							
		6							
		7							
		8							
		9							
		10							
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		26							
		27							
		28							
		29							
		30							
MONTHLY AVERAGE		0.2			1.9	0.01	0.0041	NA	NA
HIGHEST VALUE		0.2	7.9		1.9	0.01	0.0041	NA	NA
LOWEST VALUE		0.2	7.9		1.9	0.01	0.0041	NA	NA
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0		0	0	0	0	0
TOTAL FLOW		6.0	Highlighted Monthly Averages are LOQ based calculations. Highlighted values <LOQ & >= LOD are not quantifiable						

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I N O 0 0 0 2 8 1  
PERMIT NUMBER

0 3 4  
OUTFALL NO.

0 4 1 7  
MO. YR.

EFFLUENT CHARACTERISTICS		FLOW	pH	Diss. Oxygen	BOD, Carbonaceous		Oil & Grease		
EFFLUENT PARAMETER NUMBER		Q50050	C00400	C00300	Q80082	C80082	Q00552	C00552	
SAMPLE TYPE	Permit Condition	RCOTOT	Grab	Grab	Comp	Comp	Grab-3	Grab-3	
	Monitored	RCOTOT	Grab	Grab	Comp	Comp	Grab-3	Grab-3	
FREQUENCY	Permit Condition	Daily	Daily	1/7	2/7	2/7	5/7	5/7	
	Monitored	Daily	Daily	Daily	2/7	2/7	5/7	5/7	
EFFLUENT LIMITATIONS	Permit Minimum	*****	6	5	*****	*****	*****	*****	
	Permit Average	Report	*****	*****	4537	Report	1430	Report	
	Permit Maximum	Report	9	*****	9074	Report	3660	Report	
UNITS =		MGD	S.U.	MG/L	LB/DAY	MG/L	LB/DAY	MG/L	
	1	20.4	7.6	8.7					
	2	19.8	7.7	8.6					
	3	24.3	7.8	9.1			< 304	< 1.5	
	4	27.6	7.3	8.9	1681.35	7.3	< 299	< 1.3	
	5	28.2	7.2	8.9			< 306	< 1.3	
	6	27.9	7.5	8.6	1804.4	7.8	< 388	< 1.7	
	7	29.3	7.4	8.7			< 342	< 1.4	
	8	19.6	7.4	8.8					
	9	19.9	7.6	8.9					
	10	28.3	7.4	8.2			551	2.3	
	11	27.8	7.6	8.7	2157.52	9.3	< 387	< 1.7	
	12	26.9	7.4	8.5			397	1.8	
	13	28.2	7.5	8.5	1965	8.4	< 361	< 1.5	
	14	28.7	7.5	8.2			383	1.6	
	15	24.3	7.7	8.4					
	16	21.1	7.5	8.7					
	17	28.5	7.5	8.1			< 460	< 1.9	
	18	31.3	7.2	8.4	2873.18	11	< 383	< 1.5	
	19	29.8	7.4	8.2			< 348	< 1.4	
	20	26.4	7.3	8.1	2103.94	9.6	463	2.1	
	21	25.4	7.5	8.4			< 290	< 1.4	
	22	19.8	7.6	8.3					
	23	19.5	7.5	8.6					
	24	26.7	7.2	8.2			< 319	< 1.4	
	25	24.2	7.2	8.0	1989.2	9.9	< 269	< 1.3	
	26	19.7	7.2	8.1			< 346	< 2.1	
	27	20.2	7.2	8.0	1421.31	8.5	< 219	< 1.3	
	28	20.8	7.3	8.0			< 318	< 1.8	
	29	23.0	7.3	8.2					
	30	20.0	7.5	8.4					
MONTHLY AVERAGE		24.6		8.4	1999.5	8.9	< 357	< 1.6	
HIGHEST VALUE		31.3	7.8	9.1	2873.2	11	551	2.3	
LOWEST VALUE		19.5	7.2	8.0	1421.3	7.3	< 219	< 1.3	
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0	0	0	0	0	0	
TOTAL FLOW		737.537							

Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

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Mark Henry  
(SIGNATURE OF CERTIFIED OPERATOR)

Mark Henry  
219.763.5869

PHONE NUMBER

Joseph E. Hanning  
(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)

Joseph E. Hanning, Manager Environmental Control

5/21/2017  
DATE

WW020376  
CERTIFICATION NO.

5/21/2017  
DATE



Indiana Discharge Monitoring Report Form 30530  
**MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS**

Revision Pending Approval - September 2003

FACILITY NAME AND ADDRESS:

U.S. Steel Corporation  
One North Broadway  
Mail Sta. 70  
Gary, IN 46402

PLEASE COMPLETE AND SUBMIT ONE COPY EACH MONTH.  
THIS REPORT MUST BE POSTMARKED NO LATER THAN THE  
28TH OF THE FOLLOWING MONTH.

Mail To: Indiana Dept. of Environmental Management  
Office of Water Quality / Data Management Section  
P.O. Box 6015  
Indianapolis, Indiana 46206-6015

I N 0 0 0 0 2 8 1  
PERMIT NUMBER

0 3 4  
OUTFALL NO.

0 4 1 7  
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EFFLUENT CHARACTERISTICS		Nitrogen, Ammonia Total		Lead, Total		Zinc, Total		Mercury, Total	
EFFLUENT PARAMETER NUMBER		Q00610	C00610	Q01051	C01051	Q01094	C01094	Q71901	C71901
SAMPLE TYPE	Permit Condition	Comp	Comp	Comp	Comp	Comp	Comp	Grab	Grab
	Monitored	Comp	Comp	Comp	Comp	Comp	Comp	Grab	Grab
FREQUENCY	Permit Condition	2/7	2/7	2/7	2/7	2/7	2/7	Bi-monthly	Bi-monthly
	Monitored	2/7	2/7	2/7	2/7	2/7	2/7	1/30	1/30
EFFLUENT LIMITATIONS	Permit Minimum	*****	*****	*****	*****	*****	*****	*****	*****
	Permit Average	Report	Report	2.52	Report	Report	Report	Report	Report
	Permit Maximum	Report	Report	5.85	Report	Report	Report	Report	Report
UNITS		LB/DAY	MG/L	LB/DAY	MG/L	LB/DAY	MG/L	LB/DAY	NG/L
		1							
		2							
		3							
		4	7.83	0.034	0.048	0.00021	3.22	0.014	
		5							
		6	9.08	0.039	0.091	0.00039	3.73	0.016	0.00009
		7							
		8							
		9							
		10							
		11	9.05	0.039	0.081	0.00035	3.48	0.015	
		12							
		13	9.18	0.039	0.104	0.00044	3.29	0.014	
		14							
		15							
		16							
		17							
		18	8.88	0.034	0.057	0.00022	2.87	0.011	
		19							
		20	12.12	0.055	0.075	0.00034	3.52	0.016	
		21							
		22							
		23							
		24							
		25	9.90	0.049	0.042	0.00021	2.63	0.013	
		26							
		27	5.72	0.034	0.066	0.00039	2.35	0.014	
		28							
		29							
		30							
MONTHLY AVERAGE		8.97	0.040	0.071	0.00032	3.14	0.014	0.00009	0.38
HIGHEST VALUE		12.12	0.055	0.104	0.00044	3.73	0.016	0.00009	0.38
LOWEST VALUE		5.72	0.034	0.042	0.00021	2.35	0.011	0.00009	0.38
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0	0	0	0	0	0	0

Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

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219.763.5869  
PHONE NUMBER

Joseph E. Hanning  
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Joseph E. Hanning, Manager Environmental Control

5/21/2017  
DATE

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DATE

Page 35 of 84



Indiana Discharge Monitoring Report Form 30530  
**MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS**

Revision Pending Approval - September 2003

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Gary, IN 46402

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P.O. Box 6015  
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I N O O O O 2 8 1  
PERMIT NUMBER

0 3 4  
OUTFALL NO.

0 4 1 7  
MO. YR.

EFFLUENT CHARACTERISTICS		Chlorine, Total Residual		Phenolics, Total		Temperature, Final		Chromium, Total	
EFFLUENT PARAMETER NUMBER		Q50060	C50060	Q00680	C00680	*****	C00011	Q01118	C01118
SAMPLE TYPE	Permit Condition	Grab	Grab	Comp	Comp	*****	Grab-6	Comp	Comp
	Monitored	Grab	Grab	Comp	Comp	*****	Continuous	Comp	Comp
FREQUENCY	Permit Condition	Daily	Daily	1/7	1/7	*****	2/7	2/ 7	2/ 7
	Monitored	Daily	Daily	1/7	1/7	*****	Continuous	2/ 7	2/ 7
EFFLUENT LIMITATIONS	Permit Minimum	*****	*****	*****	*****	*****	*****	*****	*****
	Permit Average	1.7	8	26.00	Report	*****	*****	Report	Report
	Permit Maximum	12.7	60	39.00	Report	*****	Report	Report	Report
UNITS		LB/DAY	UG/L	LB/DAY	MG/L		°F	LB/DAY	MG/L
	1	< 3.40	< 20				62.9		
	2	< 3.30	< 20				61.5		
	3	< 4.06	< 20				59.8		
	4	< 4.61	< 20	0.81	0.0035		64.8	1.11	0.0048
	5	< 4.71	< 20				62.7		
	6	< 4.66	< 20				61.8	1.09	0.0047
	7	< 4.89	< 20				65.2		
	8	< 3.27	< 20				65.4		
	9	< 3.32	< 20				62.2		
	10	< 4.72	< 20				65.3		
	11	< 4.64	< 20	2.16	0.0093		65.3	1.30	0.0056
	12	< 4.49	< 20				66.3		
	13	< 4.71	< 20				66.1	0.78	0.0033
	14	< 4.79	< 20				69.5		
	15	< 4.06	< 20				69.2		
	16	< 3.52	< 20				65.9		
	17	< 4.76	< 20				66.7		
	18	< 5.22	< 20	1.20	0.0046		72.3	1.12	0.0043
	19	< 4.97	< 20				70.5		
	20	< 4.41	< 20				71.0	0.84	0.0038
	21	< 4.24	< 20				72.1		
	22	< 3.30	< 20				71.7		
	23	< 3.25	< 20				69.4		
	24	< 4.46	< 20				70.4		
	25	< 4.04	< 20	1.51	0.0075		74.8	0.91	0.0045
	26	< 3.29	< 20				70.0		
	27	< 3.36	< 20				68.5	0.87	0.0052
	28	< 3.47	< 20				69.7		
	29	< 3.84	< 20				67.9		
	30	< 3.34	< 20				66.8		
MONTHLY AVERAGE		0.00	0.0	1.42	0.0062		67.2	1.00	0.0045
HIGHEST VALUE		< 5.22	< 20	2.16	0.0093		74.8	1.30	0.0056
LOWEST VALUE		< 3.25	< 20	0.81	0.0035		59.8	0.78	0.0033
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0	0	0	0	0	0	0

Highlighted Monthly Averages are LOQ based calculations.

Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

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(SIGNATURE OF CERTIFIED OPERATOR)  
Mark Henry  
219.763.5869  
PHONE NUMBER

5/21/2017  
DATE  
WW020376  
CERTIFICATION NO.

Joseph E. Hanning  
(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)  
Joseph E. Hanning, Manager Environmental Control

5/21/2017  
DATE  
Page 36 of 84



Indiana Discharge Monitoring Report Form 30530  
**MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS**

Revision Pending Approval - September 2003

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I N 0 0 0 0 2 8 1  
PERMIT NUMBER

0 3 4  
OUTFALL NO.

0 4 1 7  
MO. YR.

EFFLUENT CHARACTERISTICS		TSS		Copper, Total		Cadmium, Total		Nickel, Total	
EFFLUENT PARAMETER NUMBER		Q00530	C00530	Q01119	C01119	Q01113	C01113	Q01074	C01074
SAMPLE TYPE	Permit Condition	Comp	Comp	Comp	Comp	Comp	Comp	Comp	Comp
	Monitored	Comp	Comp	Comp	Comp	Comp	Comp	Comp	Comp
FREQUENCY	Permit Condition	2/7	2/7	2/7	2/7	1/ 30	1/ 30	1/90	1/90
	Monitored	2/7	2/7	2/7	2/7	1/ 30	1/ 30	1/90	1/90
EFFLUENT LIMITATIONS	Permit Minimum	*****	*****	*****	*****	*****	*****	*****	*****
	Permit Average	Report	Report	3.8	0.018	2.3	0.011	Report	Report
	Permit Maximum	Report	Report	8.7	0.041	3.4	0.016	Report	Report
UNITS		LB/DAY	MG/L	LB/DAY	MG/L	LB/DAY	MG/L	LB/DAY	MG/L
1									
2									
3									
4		921	4.0	1.31	0.0057	< 0.016	< 0.000070	1.11	0.0048
5									
6		1164	5.0	0.88	0.0038				
7									
8									
9									
10									
11		1554	6.7	1.53	0.0066				
12									
13		1318	5.6	1.20	0.0051				
14									
15									
16									
17									
18		1280	4.9	3.13	0.012				
19									
20		947	4.3	1.59	0.0072				
21									
22									
23									
24									
25		606	3.0	2.42	0.012				
26									
27		521	3.1	0.98	0.0058				
28									
29									
30									
MONTHLY AVERAGE		1039	4.6	1.63	0.00728	< 0.016	< 0.000070	1.11	0.0048
HIGHEST VALUE		1554	6.7	3.13	0.012	< 0.016	< 0.000070	1.11	0.0048
LOWEST VALUE		521	3.0	0.88	0.0038	< 0.016	< 0.000070	1.11	0.0048
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0	0	0	0	0	0	0

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Joseph E. Hanning, Manager Environmental Control

5/21/2017  
DATE  
Page 37 of 84





Indiana Discharge Monitoring Report Form 30530  
**MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS**

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I N 0 0 0 0 2 8 1  
PERMIT NUMBER

0 3 4  
OUTFALL NO.

0 4 1 7  
MO. YR.

EFFLUENT CHARACTERISTICS		Silver, Total					
EFFLUENT PARAMETER NUMBER		Q01079	C01079				
SAMPLE TYPE	Permit Condition	Comp	Comp				
	Monitored	Comp	Comp				
FREQUENCY	Permit Condition	2/ 30	2/ 30				
	Monitored	2/ 30	2/ 30				
EFFLUENT LIMITATIONS	Permit Minimum	*****	*****				
	Permit Average	0.042	0.2				
	Permit Maximum	0.072	0.34				
UNITS		LB/DAY	UG/L				
	1						
	2						
	3						
	4	< 0.016	< 0.070				
	5						
	6						
	7						
	8						
	9						
	10						
	11	< 0.016	< 0.070				
	12						
	13						
	14						
	15						
	16						
	17						
	18						
	19						
	20						
	21						
	22						
	23						
	24						
	25						
	26						
	27						
	28						
	29						
	30						
MONTHLY AVERAGE		0.00	0.0				
HIGHEST VALUE		< 0.016	< 0.070				
LOWEST VALUE		< 0.016	< 0.070				
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0				

Highlighted Monthly Averages are LOQ based calculations.

Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

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Joseph E. Hanning, Manager Environmental Control

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Page 38 of 84



# Indiana Discharge Monitoring Report Form 30530

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1 N 0 0 0 0 2 8 1  
PERMIT NUMBER

0 3 5  
OUTFALL NO.

0 4 1 7  
MO. YR.

EFFLUENT CHARACTERISTICS		FLOW	pH	Oil & Grease		Chlorine, Total Residual		Temperature, 2PS Intake	
EFFLUENT PARAMETER NUMBER		Q50050	C00400		C00552	Q50060	C50060	*****	C00011
SAMPLE TYPE	Permit Condition	RCOTOT	Grab		Grab	Grab	Grab	*****	Continuous
	Monitored	RCOTOT	Grab		Grab			*****	Continuous
FREQUENCY	Permit Condition	Daily	1/ 30		1/7	Daily	Daily	*****	1X hour
	Monitored	Daily	1/ 30		1/7			*****	1X hour
EFFLUENT LIMITATIONS	Permit Minimum	*****	6		*****	*****	*****	*****	*****
	Permit Average	Report	*****		*****	10	8	*****	*****
	Permit Maximum	Report	9		Report	78.5	60	*****	REPORT
UNITS =		MGD	S.U.		MG/L	LB/DAY	UG/L		°F
	1	147.99							51
	2	147.85							52
	3	146.81	7.1		< 1.3				49
	4	147.31							49
	5	148.57							55
	6	149.66							56
	7	147.60							54
	8	146.12							51
	9	146.84							51
	10	147.34			< 1.3				52
	11	146.97							52
	12	146.61							48
	13	146.81							48
	14	146.98							47
	15	146.74							46
	16	148.27							47
	17	148.13			< 1.3				50
	18	146.84							49
	19	147.03							50
	20	147.16							50
	21	147.67							51
	22	147.26							52
	23	147.15							52
	24	147.20			1.8				52
	25	147.27							52
	26	147.08							50
	27	147.55							50
	28	147.38							50
	29	148.50							53
	30	147.86							51
MONTHLY AVERAGE		147.42			< 1.4	NA	NA		
HIGHEST VALUE		149.66	7.1		1.8	NA	NA		56
LOWEST VALUE		146.12	7.1		< 1.3	NA	NA		
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0		0	0	0		0
TOTAL FLOW		4422.524	Highlighted Monthly Averages are LOQ based calculations. Highlighted values <LOQ & >= LOD are not quantifiable						

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PERMIT NUMBER

0	3	7
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OUTFALL NO.

0	4	1	7
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MO. YR.

EFFLUENT CHARACTERISTICS		FLOW	pH	Oil & Grease		Zinc, Total		Phenolics, Total	
EFFLUENT PARAMETER NUMBER		Q50050	C00400		C00552	Q01094	C01094	Q00680	C00680
SAMPLE TYPE	Permit Condition	Estimate	Grab		Grab	Comp	Comp	Comp	Comp
	Monitored	Estimate	Grab		Grab	Comp	Comp	Comp	Comp
FREQUENCY	Permit Condition	1/7	1/ 30		1/7	1/ 30	1/ 30	1/ 30	1/ 30
	Monitored	4/ 30	1/ 30		1/7	1/ 30	1/ 30	1/ 30	1/ 30
EFFLUENT LIMITATIONS	Permit Minimum	*****	6		*****	*****	*****	*****	*****
	Permit Average	Report	*****		*****	*****	*****	*****	*****
	Permit Maximum	Report	9		Report	Report	Report	Report	Report
UNITS =		MGD	S.U.		MG/L	LB/DAY	MG/L	LB/DAY	MG/L
1									
2									
3		3.0	7.6		1.5	0.325	0.013	< 0.05	< 0.0020
4									
5									
6									
7									
8									
9									
10		3.0			< 1.3				
11									
12									
13									
14									
15									
16									
17		3.0			< 1.3				
18									
19									
20									
21									
22									
23									
24		3.0			< 1.3				
25									
26									
27									
28									
29									
30									
MONTHLY AVERAGE		3.0			< 1.4	0.33	0.013	< 0.05	< 0.0020
HIGHEST VALUE		3.0	7.6		1.5	0.33	0.013	< 0.05	< 0.0020
LOWEST VALUE		3.0	7.6		< 1.3	0.33	0.013	< 0.05	< 0.0020
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0		0	0	0	0	0
TOTAL FLOW		90.0							

Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

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I N 0 0 0 0 2 8 1

PERMIT NUMBER

0 3 7

OUTFALL NO.

0 4 1 7

MO. YR.

EFFLUENT CHARACTERISTICS		Chlorine, Total Residual		Temperature, Intake		Temperature, Discharge		Thermal Discharge	
EFFLUENT PARAMETER NUMBER		Q50060	C50060	*****	C00011	*****	C00011	*****	C00015
SAMPLE TYPE	Permit Condition	Grab	Grab	*****	Continuous	*****	Continuous	*****	RCOTOT
	Monitored			*****	Continuous	*****	Continuous	*****	RCOTOT
FREQUENCY	Permit Condition	Daily	Daily	*****	1X Hour	*****	1X Hour	*****	Daily
	Monitored			*****	1X Hour	*****	1X Hour	*****	Daily
EFFLUENT LIMITATIONS	Permit Minimum	*****	*****	*****	*****	*****	*****	*****	*****
	Permit Average	0.2	8	*****	*****	*****	*****	*****	*****
	Permit Maximum	1.5	60	*****	Report	*****	Report	*****	Report
UNITS		LB/DAY	UG/L		°F		°F		BTU/HR
	1				43		55		0.534
	2				43		53		0.540
	3				43		54		0.772
	4				43		57		0.737
	5				44		54		0.702
	6				44		58		0.701
	7				44		56		0.849
	8				44		60		0.852
	9				46		58		0.835
	10				45		59		0.663
	11				46		59		0.700
	12				47		58		0.835
	13				47		59		0.872
	14				46		63		0.875
	15				47		61		0.815
	16				48		60		0.756
	17				48		60		0.770
	18				50		66		0.745
	19				50		61		0.803
	20				51		64		0.791
	21				53		69		0.804
	22				53		71		0.797
	23				52		62		0.801
	24				53		63		0.819
	25				53		63		0.807
	26				50		65		0.812
	27				50		65		0.806
	28				50		62		0.797
	29				52		63		0.816
	30				52		64		0.817
MONTHLY AVERAGE		NA	NA						0.774
HIGHEST VALUE		NA	NA		53		71		0.875
LOWEST VALUE		NA	NA						0.534
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0		0		0		0

Highlighted Monthly Averages are LOQ based calculations.

Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

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Mark Henry

(SIGNATURE OF CERTIFIED OPERATOR)

Mark Henry

219.763.5869

PHONE NUMBER

5/21/2017

DATE

WW020376

CERTIFICATION NO.

Joseph E. Hanning

(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)

Joseph E. Hanning, Manager Environmental Control

5/21/2017

DATE



Indiana Discharge Monitoring Report Form 30530  
**MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS**

Revision Pending Approval - September 2003

FACILITY NAME AND ADDRESS:

U.S. Steel Corporation  
One North Broadway  
Mail Sta. 70  
Gary, IN 46402

PLEASE COMPLETE AND SUBMIT ONE COPY EACH MONTH.  
THIS REPORT MUST BE POSTMARKED NO LATER THAN THE  
28TH OF THE FOLLOWING MONTH.

Mail To: Indiana Dept. of Environmental Management  
Office of Water Quality / Data Management Section  
P.O. Box 6015  
Indianapolis, Indiana 46206-6015

I N 0 0 0 0 2 8 1  
PERMIT NUMBER

0 3 9  
OUTFALL NO.

0 4 1 7  
MO. YR.

EFFLUENT CHARACTERISTICS		FLOW	pH	Oil & Grease		Chlorine, Total Residual		Temperature, Intake	
EFFLUENT PARAMETER NUMBER		Q50050	C00400		C00552	Q50060	C50060	*****	C00011
SAMPLE TYPE	Permit Condition	Continuous	Grab		Grab	Grab	Grab	*****	Continuous
	Monitored	Continuous	Grab		Grab			*****	Continuous
FREQUENCY	Permit Condition	Continuous	1/ 30		1/7	Daily	Daily	*****	1X Hour
	Monitored	Continuous	1/ 30		1/7			*****	1X Hour
EFFLUENT LIMITATIONS	Permit Minimum	*****	6		*****	*****	*****	*****	*****
	Permit Average	Report	*****		*****	3.7	8	*****	*****
	Permit Maximum	Report	9		Report	8.3	60	*****	Report
UNITS =		MGD	S.U.		MG/L	LB/DAY	UG/L		°F
	1	29.9							43
	2	30.1							43
	3	30.3	7.4		< 1.3				43
	4	29.7							43
	5	30.7							44
	6	32.5							44
	7	30.7							44
	8	30.7							44
	9	30.7							46
	10	30.2			< 1.3				45
	11	31.5							46
	12	31.5							47
	13	31.5							47
	14	31.3							46
	15	31.5							47
	16	31.6							48
	17	31.6			< 1.3				48
	18	31.0							50
	19	31.4							50
	20	31.4							51
	21	31.1							53
	22	31.0							53
	23	31.1							52
	24	31.1			< 1.3				53
	25	31.0							53
	26	31.3							50
	27	31.3							50
	28	31.3							50
	29	32.5							52
	30	31.8							52
MONTHLY AVERAGE		31.1			< 1.3	NA	NA		
HIGHEST VALUE		32.5	7.4		< 1.3	NA	NA		53
LOWEST VALUE		29.7	7.4		< 1.3	NA	NA		
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0		0	0	0		0
TOTAL FLOW		933.5	Highlighted Monthly Averages are LOQ based calculations. Highlighted values <LOQ & >= LOD are not quantifiable						

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(SIGNATURE OF CERTIFIED OPERATOR)

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219.763.5869  
PHONE NUMBER

5/21/2017  
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WW020376  
CERTIFICATION NO.

Joseph E. Hanning  
(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)  
Joseph E. Hanning, Manager Environmental Control

5/21/2017  
DATE  
Page 43 of 84





Indiana Discharge Monitoring Report Form 30530  
**MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS**

Revision Pending Approval - September 2003

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Mail Sta. 70  
Gary, IN 46402

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P.O. Box 6015  
Indianapolis, Indiana 46206-6015

I N 0 0 0 0 2 8 1  
PERMIT NUMBER

0 4 1 A  
OUTFALL NO.

0 4 1 7  
MO. YR.

EFFLUENT CHARACTERISTICS		FLOW	pH	Oil & Grease		Zinc, Total		Chlorine, Total Residual	
EFFLUENT PARAMETER NUMBER		Q50050	C00400		C00552	Q01094	C01094	Q50060	C50060
SAMPLE TYPE	Permit Condition	Estimate	Grab		Grab	Grab	Grab	Grab	Grab
	Monitored								
FREQUENCY	Permit Condition	1/ 30	1/ 30		1/ 30	2/ 30	2/ 30	Daily	Daily
	Monitored								
EFFLUENT LIMITATIONS	Permit Minimum	*****	6		*****	*****	*****	*****	*****
	Permit Average	Report	*****		Report	Report	Report	0.0057	8
	Permit Maximum	Report	9		Report	Report	Report	0.043	60
UNITS =		MGD	S.U.		MG/L	LB/DAY	UG/L	LB/DAY	UG/L
1									
2									
3									
4									
5		No Discharge this Monitoring Period							
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
MONTHLY AVERAGE		NA			NA	NA	NA	NA	NA
HIGHEST VALUE		NA	NA		NA	NA	NA	NA	NA
LOWEST VALUE		NA	NA		NA	NA	NA	NA	NA
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0		0	0	0	0	0
TOTAL FLOW		0.00	Highlighted Monthly Averages are LOQ based calculations. Highlighted values <LOQ & >= LOD are not quantifiable						

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Mark Henry  
(SIGNATURE OF CERTIFIED OPERATOR)  
Mark Henry  
219.763.5869  
PHONE NUMBER

Joseph E. Hanning  
(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)  
Joseph E. Hanning, Manager Environmental Control

5/21/2017  
DATE  
WW020376  
CERTIFICATION NO.

5/21/2017  
DATE





Indiana Discharge Monitoring Report Form 30530  
**MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS**

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Indianapolis, Indiana 46206-6015

I N 0 0 0 0 2 8 1  
PERMIT NUMBER

0 4 1 B  
OUTFALL NO.

0 4 1 7  
MO. YR.

EFFLUENT CHARACTERISTICS		FLOW	pH	Oil & Grease		Zinc, Total		Chlorine, Total Residual	
EFFLUENT PARAMETER NUMBER		Q50050	C00400		C00552	Q01094	C01094	Q50060	C50060
SAMPLE TYPE	Permit Condition	Estimate	Grab		Grab	Grab	Grab	Grab	Grab
	Monitored	Estimate	Grab		Grab	Grab	Grab		
FREQUENCY	Permit Condition	1/ 30	1/ 30		1/ 30	2/ 30	2/ 30	Daily	Daily
	Monitored	2/ 30	1/ 30		1/ 30	2/ 30	2/ 30		
EFFLUENT LIMITATIONS	Permit Minimum	*****	6		*****	*****	*****	*****	*****
	Permit Average	Report	*****		Report	0.00	0.00	0.0057	8
	Permit Maximum	Report	9		Report	0.00	0.00	0.043	60
UNITS =		MGD	S.U.		MG/L	LB/DAY	UG/L	LB/DAY	UG/L
1									
2									
3		0.043	8.2		< 1.3	0.009	26		
4									
5									
6									
7									
8									
9									
10		0.043				0.086	240		
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
MONTHLY AVERAGE		0.043			< 1.3	0.048	133	NA	NA
HIGHEST VALUE		0.043	8.2		< 1.3	0.086	240	NA	NA
LOWEST VALUE		0.043	8.2		< 1.3	0.009	26	NA	NA
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0		0	0	0	0	0
TOTAL FLOW		1.29	Highlighted Monthly Averages are LOQ based calculations. Highlighted values <LOQ & >= LOD are not quantifiable						

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PERMIT NUMBER

8 0 0 A  
OUTFALL NO.

0 4 1 7  
MO. YR.

EFFLUENT CHARACTERISTICS		FLOW	Oil & Grease		Zinc, Total		Chlorine, Total Residual	
EFFLUENT PARAMETER NUMBER		Q50050		C00552	Q01094	C01094	Q50060	C50060
SAMPLE TYPE	Permit Condition	Estimate		Grab	Grab	Grab	Grab	Grab
	Monitored	Estimate		Grab	Grab	Grab		
FREQUENCY	Permit Condition	1/ 30		1/ 30	2/ 30	2/ 30	Daily	Daily
	Monitored	2/ 30		1/ 30	2/ 30	2/ 30		
EFFLUENT LIMITATIONS	Permit Minimum	*****		*****	*****	*****	*****	*****
	Permit Average	Report		Report	0.00	0.00	0.0057	8
	Permit Maximum	Report		Report	0.00	0.00	0.043	60
UNITS =		MGD		MG/L	LB/DAY	UG/L	LB/DAY	UG/L
	1							
	2							
	3	0.043		< 1.3	0.009	26		
	4							
	5							
	6							
	7							
	8							
	9							
	10	0.043			0.086	240		
	11							
	12							
	13							
	14							
	15							
	16							
	17							
	18							
	19							
	20							
	21							
	22							
	23							
	24							
	25							
	26							
	27							
	28							
	29							
	30							
MONTHLY AVERAGE		0.043		< 1.3	0.048	133	NA	NA
HIGHEST VALUE		0.043		< 1.3	0.086	240	NA	NA
LOWEST VALUE		0.043		< 1.3	0.009	26	NA	NA
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0		0	0	0	0	0
TOTAL FLOW		1.29	Highlighted Monthly Averages are LOQ based calculations. Highlighted values <LOQ & >= LOD are not quantifiable					

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Joseph E. Hanning, Manager Environmental Control

5/21/2017  
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I N 0 0 0 0 2 8 1  
PERMIT NUMBER

5 0 1  
OUTFALL NO.

0 4 1 7  
MO. YR.

EFFLUENT CHARACTERISTICS		FLOW	Oil & Grease		pH	Selenium, Total		Benzene	
EFFLUENT PARAMETER NUMBER		Q50050	Q00552	C00552	C00400	Q00981	C00981	Q34030	C34030
SAMPLE TYPE	Permit Condition	RCOTOT	Grab-3	Grab-3	Grab	Comp	Comp	Grab-3	Grab-3
	Monitored	RCOTOT	Grab-3	Grab-3	Grab	Comp	Comp	Grab-3	Grab-3
FREQUENCY	Permit Condition	Daily	2/7	2/7	1/7	2/7	2/7	3 /30	3 /30
	Monitored	Daily	2/7	2/7	1/7	2/7	2/7	3 /30	3 /30
EFFLUENT LIMITATIONS	Permit Minimum	*****	*****	*****	Report	*****	*****	*****	*****
	Permit Average	Report	Report	Report	*****	Report	Report	Report	Report
	Permit Maximum	Report	Report	Report	Report	Report	Report	Report	5.0
UNITS =		MGD	LB/DAY	MG/L	S.U.	LB/DAY	UG/L	LB/DAY	UG/L
1		0.242							
2		0.236							
3		0.278	< 3.02	< 1.3	7.1	0.02	9.0	< 0.0007	< 0.30
4		0.240							
5		0.265	< 2.87	< 1.3		0.02	8.6		
6		0.256							
7		0.243							
8		0.233							
9		0.253							
10		0.248	< 3.03	< 1.5	7.1	0.02	8.0	< 0.0006	< 0.30
11		0.235							
12		0.245	< 2.66	< 1.3		0.01	4.3		
13		0.253							
14		0.268							
15		0.272							
16		0.265							
17		0.255	< 2.77	< 1.3	7.1	0.02	11	< 0.0006	< 0.30
18		0.264							
19		0.253	< 2.82	< 1.3		0.03	13		
20		0.261							
21		0.256							
22		0.236							
23		0.246							
24		0.255	< 2.77	< 1.3	7.3	0.03	14		
25		0.226							
26		0.226	< 2.45	< 1.3		0.03	15		
27		0.243							
28		0.261							
29		0.269							
30		0.269							
MONTHLY AVERAGE		0.252	< 2.80	< 1.3		0.0218	10	< 0.0007	< 0.30
HIGHEST VALUE		0.278	3.03	1.5	7.3	0.030	15	< 0.0007	< 0.30
LOWEST VALUE		0.226	< 2.45	< 1.3	7.1	0.0088	4.3	< 0.0006	< 0.30
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0	0	0	0	0	0	0

Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

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PHONE NUMBER

5/21/2017  
DATE

WW020376  
CERTIFICATION NO.

Joseph E. Hanning  
(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)  
Joseph E. Hanning, Manager Environmental Control

5/21/2017  
DATE



# Indiana Discharge Monitoring Report Form 30530

## MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS

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P.O. Box 6015  
Indianapolis, Indiana 46206-6015

I	N	0	0	0	0	2	8	1
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PERMIT NUMBER

5	0	1
---	---	---

OUTFALL NO.

0	4	1	7
---	---	---	---

MO.

YR.

EFFLUENT CHARACTERISTICS		Benzo-a-pyrene		Cyanide, Free		Phenolics, Total		Nitrogen, Ammonia Total	
EFFLUENT PARAMETER NUMBER		Q34247	C34247	Q00718	C00718	Q32730	C32730	Q00610	C00610
SAMPLE TYPE	Permit Condition	Comp	Comp	Grab-3	Grab-3	Comp	Comp	Comp	Comp
	Monitored	Comp	Comp	Comp	Comp	Comp	Comp	Comp	Comp
FREQUENCY	Permit Condition	2/7	2/7	2/7	2/7	2/7	2/7	2/7	2/7
	Monitored	2/7	2/7	2/7	2/7	2/7	2/7	2/7	2/7
EFFLUENT LIMITATIONS	Permit Minimum	*****	*****	*****	*****	*****	*****	*****	*****
	Permit Average	Report	1.0	Report	Report	Report	Report	13.5	Report
	Permit Maximum	Report	Report	Report	Report	Report	Report	19.5	Report
UNITS		LB/DAY	UG/L	LB/DAY	UG/L	LB/DAY	UG/L	LB/DAY	UG/L
	1								
	2								
	3	0.0005	0.23	0.01	3.0	0.011	4.9	0.37	160
	4								
	5	0.0005	0.23	0.01	3.5	0.011	4.8	0.24	110
	6								
	7								
	8								
	9								
	10	0.0004	0.20	0.01	3.0	0.013	6.3	0.29	140
	11								
	12	0.0004	0.18	0.01	3.2	0.033	16	0.27	130
	13								
	14								
	15								
	16								
	17	0.0005	0.22	0.01	5.2	0.014	6.8	0.32	150
	18								
	19	0.0003	0.13	0.01	3.3	0.012	5.8	0.91	430
	20								
	21								
	22								
	23								
	24	< 0.0001	< 0.036	0.01	4.2	0.021	10	0.43	200
	25								
	26	0.0002	0.11	0.01	4.9	0.025	13	0.26	140
	27								
	28								
	29								
	30								
MONTHLY AVERAGE		< 0.0004	< 0.17	0.01	3.8	0.017	8.4	0.39	183
HIGHEST VALUE		0.0005	0.23	0.01	5.2	0.033	16	0.91	430
LOWEST VALUE		< 0.0001	< 0.036	0.01	3.0	0.011	4.8	0.24	110
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0	0	0	0	0	0	0

Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

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Mark Henry  
(SIGNATURE OF CERTIFIED OPERATOR)

Mark Henry  
219.763.5869  
PHONE NUMBER

5/21/2017

DATE

WW020376  
CERTIFICATION NO.

Joseph E. Hanning  
(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)  
Joseph E. Hanning, Manager Environmental Control

5/21/2017

DATE



Indiana Discharge Monitoring Report Form 30530  
**MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS**

Revision Pending Approval - September 2003

FACILITY NAME AND ADDRESS:

U.S. Steel Corporation  
One North Broadway  
Mail Sta. 70  
Gary, IN 46402

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28TH OF THE FOLLOWING MONTH.

Mail To: Indiana Dept. of Environmental Management  
Office of Water Quality / Data Management Section  
P.O. Box 6015  
Indianapolis, Indiana 46206-6015

I N 0 0 0 0 2 8 1

PERMIT NUMBER

6 0 3

OUTFALL NO.

0 4 1 7

MO. YR.

EFFLUENT CHARACTERISTICS		FLOW	Lead, Total		Zinc, Total			
EFFLUENT PARAMETER NUMBER		Q50050	Q01051	C01051	Q01094	C01094		
SAMPLE TYPE	Permit Condition	RCOTOT	Comp	Comp	Comp	Comp		
	Monitored	RCOTOT	Comp	Comp	Comp	Comp		
FREQUENCY	Permit Condition	Daily	2/7	2/7	2/7	2/7		
	Monitored	Daily	2/7	2/7	2/7	2/7		
EFFLUENT LIMITATIONS	Permit Minimum	*****	*****	*****	*****	*****		
	Permit Average	Report	Report	Report	11.5	Report		
	Permit Maximum	Report	Report	Report	34.5	Report		
UNITS =		MGD	LB/DAY	MG/L	LB/DAY	MG/L		
1		8.78						
2		9.12						
3		9.41	0.31	0.0040	7.13	0.091		
4		9.62						
5		9.10	0.35	0.0046	11.02	0.15		
6		8.25						
7		9.88						
8		9.21						
9		9.59						
10		9.62	0.25	0.0031	4.62	0.058		
11		9.17						
12		8.71	< 0.10	< 0.0014	2.13	0.029		
13		9.63						
14		9.07						
15		9.55						
16		8.92						
17		9.18	0.62	0.0082	5.88	0.077		
18		9.15						
19		9.10	0.33	0.0043	6.28	0.083		
20		9.20						
21		9.27						
22		8.79						
23		9.16						
24		9.52	0.38	0.0047	9.66	0.12		
25		10.03						
26		9.23	0.54	0.0070	6.86	0.089		
27		9.58						
28		9.99						
29		9.11						
30		9.57						
MONTHLY AVERAGE		9.28	< 0.36	< 0.0047	6.70	0.09		
HIGHEST VALUE		10.03	0.62	0.0082	11.02	0.15		
LOWEST VALUE		8.25	< 0.10	< 0.0014	2.13	0.029		
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0	0	0	0		

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Joseph E. Hanning, Manager Environmental Control

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Page 50 of 84



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I N 0 0 0 0 2 8 1  
PERMIT NUMBER

6 0 4  
OUTFALL NO.

0 4 1 7  
MO. YR.

EFFLUENT CHARACTERISTICS		FLOW	Oil & Grease		TSS		Chromium, Total	
EFFLUENT PARAMETER NUMBER		Q50050	Q00552	C00552	Q00530	C00530	Q01118	C01118
SAMPLE TYPE	Permit Condition	RCOTOT	Grab-3	Grab-3	Comp	Comp	Comp	Comp
	Monitored	RCOTOT	Grab-3	Grab-3	Comp	Comp	Comp	Comp
FREQUENCY	Permit Condition	Daily	5/7	5/7	2/7	2/7	2/7	2/7
	Monitored	Daily	5/7	5/7	2/7	2/7	2/7	2/7
EFFLUENT LIMITATIONS	Permit Minimum	*****	*****	*****	*****	*****	*****	*****
	Permit Average	Report	Report	Report	2901	Report	28.25	Report
	Permit Maximum	Report	Report	Report	6455	Report	45.77	Report
UNITS =		MGD	LB/DAY	MG/L	LB/DAY	MG/L	LB/DAY	MG/L
	1	17.87						
	2	16.18						
	3	18.66	< 202.4	< 1.3				
	4	20.30	< 220.2	< 1.3	491.2	2.9	2.88	0.017
	5	24.71	< 268.0	< 1.3				
	6	23.04	< 288.4	< 1.5	442.2	2.3	1.79	0.0093
	7	25.33	< 436.9	< 2.1				
	8	13.53						
	9	16.38						
	10	23.23	< 413.6	< 2.1				
	11	23.64	< 256.4	< 1.3	453.7	2.3	2.96	0.015
	12	23.50		313.7				
	13	25.66	< 278.4	< 1.3	642.5	3.0	1.24	0.0058
	14	25.74	< 300.7	< 1.4				
	15	21.13						
	16	18.85						
	17	24.38	< 379.7	< 1.9				
	18	26.69	< 304.4	< 1.4	957.6	4.3	1.58	0.0071
	19	23.61	< 269.3	< 1.4				
	20	24.49	< 354.2	< 1.7	551.7	2.7	1.25	0.0061
	21	23.20	< 251.7	< 1.3				
	22	16.91						
	23	17.96						
	24	23.65	< 263.2	< 1.3				
	25	21.87	< 237.3	< 1.3	438	2.4	1.64	0.0090
	26	18.26	< 198.1	< 1.3				
	27	17.61	< 191.0	< 1.3	337.9	2.3	0.84	0.0057
	28	17.09	< 194.9	< 1.4				
	29	11.45						
	30	13.06						
MONTHLY AVERAGE		20.60	< 281.1	< 1.5	539.4	2.8	1.77	0.0094
HIGHEST VALUE		26.69	436.9	2.1	957.6	4.3	2.96	0.017
LOWEST VALUE		11.45	< 191.0	< 1.3	337.9	2.3	0.84	0.0057
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0	0	0	0	0	0

Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

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(SIGNATURE OF CERTIFIED OPERATOR)

Mark Henry  
219.763.5869  
PHONE NUMBER

Joseph E. Hanning  
(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)

Joseph E. Hanning, Manager Environmental Control

5/21/2017

DATE

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CERTIFICATION NO.

5/21/2017

DATE



Indiana Discharge Monitoring Report Form 30530  
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I N O O O O 2 8 1

PERMIT NUMBER

6 0 4

OUTFALL NO.

0 4 1 7

MO. YR.

EFFLUENT CHARACTERISTICS		Lead, Total		Zinc, Total		Cyanide, Total		Cadmium, Total	
EFFLUENT PARAMETER NUMBER		Q01051	C01051	Q01094	C01094	Q00720	C00720	Q01113	C01113
SAMPLE TYPE	Permit Condition	Comp	Comp	Comp	Comp	Grab-3	Grab-3	Comp	Comp
	Monitored	Comp	Comp	Comp	Comp	Comp	Comp	Comp	Comp
FREQUENCY	Permit Condition	2/7	2/7	2/7	2/7	1/90	1/90	1/90	1/90
	Monitored	2/7	2/7	2/7	2/7	1/90	1/90	1/90	1/90
EFFLUENT LIMITATIONS	Permit Minimum	*****	*****	*****	*****	*****	*****	*****	*****
	Permit Average	Report	Report	33.42	Report	18.4	Report	Report	Report
	Permit Maximum	Report	Report	70.00	Report	34	Report	Report	Report
UNITS		LB/DAY	MG/L	LB/DAY	MG/L	LB/DAY	MG/L	LB/DAY	MG/L
1									
2									
3									
4		< 0.017	< 0.00010	1.86	0.011	< 0.339	< 0.0020	0.013	0.000077
5									
6		< 0.019	< 0.00010	2.31	0.012				
7									
8									
9									
10									
11		0.02	0.00010	2.37	0.012				
12									
13		< 0.021	< 0.00010	1.97	0.0092				
14									
15									
16									
17									
18		0.033	0.00015	2.67	0.012				
19									
20		0.029	0.00014	2.25	0.011				
21									
22									
23									
24									
25		< 0.018	< 0.00010	2.37	0.013				
26									
27		0.015	0.00010	1.41	0.0096				
28									
29									
30									
MONTHLY AVERAGE		< 0.022	< 0.00011	2.15	0.011	< 0.34	< 0.0020	0.013	0.000077
HIGHEST VALUE		0.033	0.00015	2.67	0.013	< 0.34	< 0.0020	0.013	0.000077
LOWEST VALUE		< 0.015	< 0.00010	1.41	0.0092	< 0.34	< 0.0020	0.013	0.000077
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0	0	0	0	0	0	0

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5/21/2017  
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(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)

Joseph E. Hanning, Manager Environmental Control

5/21/2017  
DATE

Based on my inquiry of the persons directly responsible for managing compliance with the permit limitations for TTO, I certify that, to the best of my knowledge and belief, no disposal of concentrated toxic organics into the wastewaters has occurred since filing of the last discharge monitoring report. I further certify that this facility is implementing the Toxic Organic Pollutant Management Plan submitted to the Compliance Evaluation Section of the Office of Water Quality, as required by this permit.





Indiana Discharge Monitoring Report Form 30530  
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Indianapolis, Indiana 46206-6015

I N O O O O 2 8 1  
PERMIT NUMBER

6 0 4  
OUTFALL NO.

0 4 1 7  
MO. YR.

EFFLUENT CHARACTERISTICS		Hexavalent Chromium		Copper, Total		Nickel, Total		Silver, Total	
EFFLUENT PARAMETER NUMBER		Q01220	C01220	Q01119	C01119	Q01074	C01074	Q01079	C01079
SAMPLE TYPE	Permit Condition	Grab	Grab	Comp	Comp	Comp	Comp	Comp	Comp
	Monitored			Comp	Comp	Comp	Comp	Comp	Comp
FREQUENCY	Permit Condition	Suspended	Suspended	2/7	2/7	1/90	1/90	2/ 30	2/ 30
	Monitored			2/7	2/7	1/90	1/90	2/ 30	2/ 30
EFFLUENT LIMITATIONS	Permit Minimum	*****	*****	*****	*****	*****	*****	*****	*****
	Permit Average	0.15	Report	Report	Report	39.32	Report	Report	Report
	Permit Maximum	0.46	Report	Report	Report	65.76	Report	Report	Report
UNITS		LB/DAY	MG/L	LB/DAY	MG/L	LB/DAY	MG/L	LB/DAY	MG/L
		1							
		2							
		3							
		4		0.51	0.0030	0.474	0.0028	< 0.012	< 0.000070
		5							
		6		1.85	0.0096				
		7							
		8							
		9							
		10							
		11		0.85	0.0043			< 0.014	< 0.000070
		12							
		13		0.88	0.0041				
		14							
		15							
		16							
		17							
		18		2.90	0.013				
		19							
		20		1.37	0.0067				
		21							
		22							
		23							
		24							
		25		2.01	0.011				
		26							
		27		1.62	0.011				
		28							
		29							
		30							
MONTHLY AVERAGE		NA	NA	1.50	0.0078	0.47	0.0028	< 0.013	< 0.000070
HIGHEST VALUE		NA	NA	2.90	0.013	0.47	0.0028	< 0.014	< 0.000070
LOWEST VALUE		NA	NA	0.51	0.0030	0.47	0.0028	< 0.012	< 0.000070
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0	0	0	0	0	0	0

Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

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Joseph E. Hanning, Manager Environmental Control

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I N 0 0 0 0 2 8 1  
PERMIT NUMBER

6 0 4  
OUTFALL NO.

0 4 1 7  
MO. YR.

EFFLUENT CHARACTERISTICS		Naphthalene		Tetrachloroethylene		TTO			
EFFLUENT PARAMETER NUMBER		Q34696	C34696	Q34475	C34475	Q78224			
SAMPLE TYPE	Permit Condition	Comp	Comp	Grab-2	Grab-2	Comp			
	Monitored	Comp	Comp	Grab-2	Grab-2				
FREQUENCY	Permit Condition	2/7	2/7	2/7	2/7	1/31			
	Monitored	2/7	2/7	2/7	2/7				
EFFLUENT LIMITATIONS	Permit Minimum	*****	*****	*****	*****	*****			
	Permit Average	*****	*****	*****	*****	*****			
	Permit Maximum	1.68	Report	2.51	Report	35.19			
UNITS		LB/DAY	MG/L	LB/DAY	MG/L	LB/DAY			
	1								
	2								
	3								
	4	< 0.010	< 0.000061	< 0.046	< 0.00027				
	5								
	6	< 0.012	< 0.000061	< 0.052	< 0.00027				
	7								
	8								
	9								
	10								
	11	< 0.012	< 0.000060	< 0.053	< 0.00027				
	12								
	13	< 0.013	< 0.000060	< 0.058	< 0.00027				
	14								
	15								
	16								
	17								
	18	< 0.013	< 0.000060	< 0.06	< 0.00027				
	19								
	20	< 0.012	< 0.000061	< 0.055	< 0.00027				
	21								
	22								
	23								
	24								
	25	< 0.011	< 0.000060	< 0.049	< 0.00027				
	26								
	27	< 0.009	< 0.000061	< 0.04	< 0.00027				
	28								
	29								
	30								
MONTHLY AVERAGE		< 0.012	< 0.000061	< 0.052	< 0.00027	NA			
HIGHEST VALUE		< 0.013	< 0.000061	< 0.06	< 0.00027	NA			
LOWEST VALUE		< 0.009	< 0.000060	< 0.04	< 0.00027	NA			
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0	0	0	0			

Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

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PERMIT NUMBER

6 0 5  
OUTFALL NO.

0 4 1 7  
MO. YR.

EFFLUENT CHARACTERISTICS		FLOW	Oil & Grease		TSS		
EFFLUENT PARAMETER NUMBER		Q50050	Q00552	C00552	Q00530	C00530	
SAMPLE TYPE	Permit Condition	RCOTOT	Grab-3	Grab-3	Comp	Comp	
	Monitored	RCOTOT	Grab-3	Grab-3	Comp	Comp	
FREQUENCY	Permit Condition	Daily	5/7	5/7	2/7	2/7	
	Monitored	Daily	5/7	5/7	2/7	2/7	
EFFLUENT LIMITATIONS	Permit Minimum	*****	*****	*****	*****	*****	
	Permit Average	Report	Report	*****	725	Report	
	Permit Maximum	Report	1450	Report	2175	Report	
UNITS =		MGD	LB/DAY	MG/L	LB/DAY	MG/L	
	1	0.178	5.7	3.8			
	2	0.377	6.1	1.9			
	3	0.354	9.2	3.1			
	4	1.732	< 28.4	< 2.0	102.6	7.1	
	5	0.297	5.1	2.1			
	6	0.739	< 10.1	< 1.6	19.1	3.1	
	7	0.539	< 6.7	< 1.5			
	8	0.379	< 5.0	< 1.6			
	9	0.452	< 8.2	< 2.2			
	10	1.953	< 21.2	< 1.3			
	11	1.989	< 21.6	< 1.3	49.8	3.0	
	12	0.616	14.4	2.8			
	13	O		2.2		25	
	14	0.783	15.2	2.3			
	15	0.081	1.4	2.1	2.3	3.4	
	16	0.136	< 1.7	< 1.5			
	17	0.249	10.6	5.1			
	18	2.652	< 69.3	< 3.1	243.4	11	
	19	0.166	< 2.8	< 2.0			
	20	O		3.7		6.4	
	21	0.030	0.50	2.0			
	22	0.292	< 3.2	< 1.3	3.2	1.3	
	23	0.033	< 0.36	< 1.3			
	24	0.380	8.7	2.7			
	25	1.039	< 17.3	< 2.0	35.5	4.1	
	26	0.064	< 1.0	< 1.8			
	27	0.485	13.1	3.2	19.8	4.9	
	28	0.186	3.3	2.1			
	29	0.207	4.4	2.5			
	30	0.574	< 8.6	< 1.8			
MONTHLY AVERAGE		0.606	< 10.8	< 2.3	59.5	6.9	
HIGHEST VALUE		2.652	69.3	5.1	243.4	25	
LOWEST VALUE		0.030	< 0.36	< 1.3	2.3	1.3	
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0	0	0	0	

Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Mark Henry  
(SIGNATURE OF CERTIFIED OPERATOR)

Mark Henry  
219.763.5869  
PHONE NUMBER

5/21/2017  
DATE

WW020376  
CERTIFICATION NO.

Joseph E. Hanning  
(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)  
Joseph E. Hanning, Manager Environmental Control

5/21/2017  
DATE



Indiana Discharge Monitoring Report Form 30530  
**MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS**

Revision Pending Approval - September 2003

FACILITY NAME AND ADDRESS:

U.S. Steel Corporation  
One North Broadway  
Mail Sta. 70  
Gary, IN 46402

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THIS REPORT MUST BE POSTMARKED NO LATER THAN THE  
28TH OF THE FOLLOWING MONTH.

Mail To: Indiana Dept. of Environmental Management  
Office of Water Quality / Data Management Section  
P.O. Box 6015  
Indianapolis, Indiana 46206-6015

I N 0 0 0 2 8 1  
PERMIT NUMBER

6 0 6  
OUTFALL NO.

0 4 1 7  
MO. YR.

EFFLUENT CHARACTERISTICS		FLOW	Oil & Grease	Lead, Total	Zinc, Total	Chromium, Total	Phenolics, Total		
EFFLUENT PARAMETER NUMBER		Q50050	C00552	C01051	C01094	C01118	C00680		
SAMPLE TYPE	Permit Condition	RCOTOT	Grab	Comp	Comp	Comp	Comp		
	Monitored	RCOTOT	Grab	Comp	Comp	Comp	Comp		
FREQUENCY	Permit Condition	Daily	1/7	1/ 30	1/ 30	1/ 30	1/ 30		
	Monitored	Daily	1/7	1/ 30	1/ 30	1/ 30	1/ 30		
EFFLUENT LIMITATIONS	Permit Minimum	*****	*****	*****	*****	*****	*****		
	Permit Average	Report	*****	*****	*****	*****	*****		
	Permit Maximum	Report	Report	Report	Report	Report	Report		
UNITS =		MGD	MG/L	MG/L	MG/L	MG/L	MG/L		
	1	2.53							
	2	3.62							
	3	5.29							
	4	5.57	< 1.3	0.00047	0.017	0.00073	0.0046		
	5	3.20							
	6	4.12							
	7	3.43							
	8	5.69							
	9	3.07							
	10	3.12							
	11	2.17	1.7						
	12	2.79							
	13	2.54							
	14	2.18							
	15	3.09							
	16	2.11							
	17	3.87							
	18	1.96	1.6						
	19	6.02							
	20	1.91							
	21	2.17							
	22	2.55							
	23	1.50							
	24	2.67							
	25	1.29	1.7						
	26	1.41							
	27	2.07							
	28	3.49							
	29	11.34							
	30	6.40							
	31								
MONTHLY AVERAGE		3.44	< 1.6	0.00047	0.017	0.00073	0.0046		
HIGHEST VALUE		11.34	1.7	0.00047	0.017	0.00073	0.0046		
LOWEST VALUE		1.29	< 1.3	0.00047	0.017	0.00073	0.0046		
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0	0	0	0	0		

Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

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CERTIFICATION NO.

Joseph E. Hanning  
(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)  
Joseph E. Hanning, Manager Environmental Control

12/21/2015  
DATE



# Indiana Discharge Monitoring Report Form 30530

## MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS

Revision Pending Approval - September 2003

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P.O. Box 6015  
Indianapolis, Indiana 46206-6015

I	N	0	0	0	2	8	1
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PERMIT NUMBER

6	0	7
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OUTFALL NO.

0	4	1	7
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MO. YR.

EFFLUENT CHARACTERISTICS		FLOW	pH	TSS		Oil & Grease		Nitrogen, Ammonia Total	
EFFLUENT PARAMETER NUMBER		Q50050	C00400	Q00530	C00530		C00552	Q00610	C00610
SAMPLE TYPE	Permit Condition	RCOTOT	Grab	Comp	Comp		Grab	Comp	Comp
	Monitored	RCOTOT	Grab	Comp	Comp		Grab	Comp	Comp
FREQUENCY	Permit Condition	Daily	1/7	1/7	1/7		1/7	1/7	1/7
	Monitored	Daily	1/7	1/7	1/7		1/7	1/7	1/7
EFFLUENT LIMITATIONS	Permit Minimum	*****	*****	*****	*****		*****	*****	*****
	Permit Average	Report	*****	Report	30		10	Report	Report
	Permit Maximum	Report	Report	Report	60		15	Report	Report
UNITS =		MGD	S.U.	LB/DAY	MG/L		MG/L	LB/DAY	MG/L
	1	0.1179							
	2	0.0973							
	3	0.1046	7.6	4.71	5.4		2.2	17.90	21
	4	0.1073							
	5	0.1068							
	6	0.1103							
	7	0.0956							
	8	0.1130							
	9	0.1020							
	10	0.1153	7.1	3.85	4.0		3.2	18.28	19
	11	0.1101							
	12	0.1060							
	13	0.1056							
	14	0.1078							
	15	0.0890							
	16	0.0997							
	17	0.0980	8.3	9.00	11		3.1	11.21	14
	18	0.0966							
	19	0.0782							
	20	0.0919							
	21	0.0768							
	22	0.1133							
	23	0.1088							
	24	0.1087	7.4	9.07	10		< 1.3	21.76	24
	25	0.1046							
	26	0.1055							
	27	0.0954							
	28	0.0319							
	29	0.0822							
	30	0.1060							
MONTHLY AVERAGE		0.0995		6.66	7.6		< 2.5	17.29	19
HIGHEST VALUE		0.1179	8.3	9.07	11		3.2	21.76	24
LOWEST VALUE		0.0319	7.1	3.85	4.0		< 1.3	11.21	14
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0	0	0		0	0	0

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CERTIFICATION NO.

Joseph E. Hanning  
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Joseph E. Hanning, Manager Environmental Control

5/21/2017  
DATE  
Page 57 of 84



Indiana Discharge Monitoring Report Form 30530  
**MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS**

Revision Pending Approval - September 2003

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I N 0 0 0 2 8 1  
PERMIT NUMBER

6 0 7  
OUTFALL NO.

0 4 1 7  
MO. YR.

EFFLUENT CHARACTERISTICS		BOD, Carbonaceous		Cyanide, Free		Lead, Total		Zinc, Total	
EFFLUENT PARAMETER NUMBER		Q80082	C80082	Q00718	C00718	Q01051	C01051	Q01094	C01094
SAMPLE TYPE	Permit Condition	Comp	Comp	Grab-3	Grab-3	Comp	Comp	Comp	Comp
	Monitored	Comp	Comp	Comp	Comp	Comp	Comp	Comp	Comp
FREQUENCY	Permit Condition	1/7	1/7	1 /30	1 /30	1 /30	1 /30	1 /30	1 /30
	Monitored	1/7	1/7	1 /30	1 /30	1 /30	1 /30	1 /30	1 /30
EFFLUENT LIMITATIONS	Permit Minimum	*****	*****	*****	*****	*****	*****	*****	*****
	Permit Average	Report	Report	Report	Report	Report	Report	Report	Report
	Permit Maximum	Report	Report	Report	Report	Report	Report	Report	Report
UNITS		LB/DAY	MG/L	LB/DAY	MG/L	LB/DAY	MG/L	LB/DAY	MG/L
1									
2									
3		154.5	177	0.0012	0.0014	0.0005	0.00052	0.030	0.034
4									
5									
6									
7									
8									
9									
10		177.9	185						
11									
12									
13									
14									
15									
16									
17		99.8	122						
18									
19									
20									
21									
22									
23									
24		180.5	199						
25									
26									
27									
28									
29									
30									
MONTHLY AVERAGE		153.2	171	0.0012	0.0014	0.0005	0.00052	0.030	0.034
HIGHEST VALUE		180.5	199	0.0012	0.0014	0.0005	0.00052	0.030	0.034
LOWEST VALUE		99.8	122	0.0012	0.0014	0.0005	0.00052	0.030	0.034
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0	0	0	0	0	0	0

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PERMIT NUMBER

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OUTFALL NO.

0 4 1 7  
MO. YR.

EFFLUENT CHARACTERISTICS		Phenolics		Benzo(a)pyrene					
EFFLUENT PARAMETER NUMBER		Q00680	C00680	Q34247	C34247				
SAMPLE TYPE	Permit Condition	Comp	Comp	Comp	Comp				
	Monitored	Comp	Comp	Comp	Comp				
FREQUENCY	Permit Condition	1 /30	1 /30	1/90	1/90				
	Monitored	1 /30	1 /30	1/90	1/90				
EFFLUENT LIMITATIONS	Permit Minimum	*****	*****	*****	*****				
	Permit Average	Report	Report	Report	Report				
	Permit Maximum	Report	Report	Report	Report				
UNITS		LB/DAY	MG/L	LB/DAY	MG/L				
	1								
	2								
	3	0.314	0.36	< 0.00003	< 0.036				
	4								
	5								
	6								
	7								
	8								
	9								
	10								
	11								
	12								
	13								
	14								
	15								
	16								
	17								
	18								
	19								
	20								
	21								
	22								
	23								
	24								
	25								
	26								
	27								
	28								
	29								
	30								
MONTHLY AVERAGE		0.314	0.36	< 0.00003	< 0.036				
HIGHEST VALUE		0.314	0.36	< 0.00003	< 0.036				
LOWEST VALUE		0.314	0.36	< 0.00003	< 0.036				
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0	0	0				

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